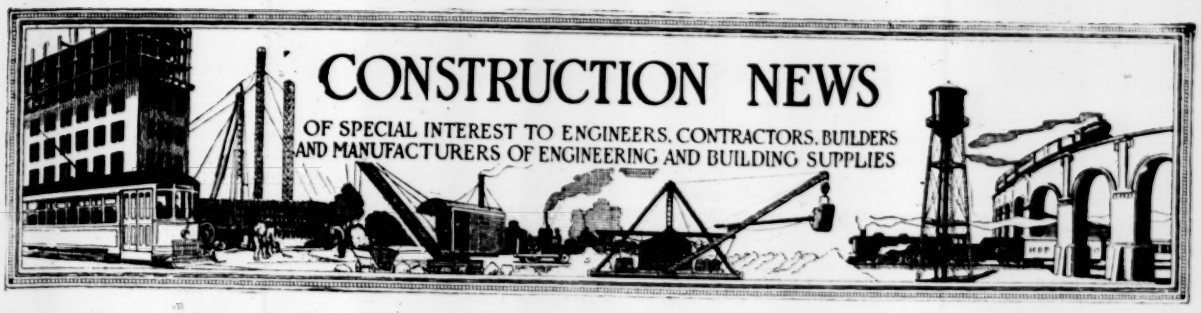
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 23	Middletown, N. Y.	Aug. 5
Aug. 23	Owosso, Mich. Adv. Aug. 19.	Aug 19
Aug. 24	Cedarburg, Wis.	Aug. 5
Aug. 25	Marcy, N. Y.	July 29
Aug. 27	Freeport, Minn.	Aug. 19
Sept. 1	Springwells, Mich.	Aug. 19
Sept. 8	Tunica, Miss.	Aug. 19

SEWERS

Aug. 20	Brooklyn, N. Y.	Aug. 12
Aug. 23	Allentown, Pa.	Aug. 5
Aug. 23	Euclid, O.	Aug. 12
Aug. 23	Benson, Minn.	Aug. 19
Aug. 23	Long Island City, N. Y.	Aug. 19
Aug. 23	St. George, S. I., N. Y.	Aug. 19
Aug. 25	Reading, Pa.	Aug. 5
Aug. 26	St. George, S. I., N. Y.	Aug. 19
Aug. 30	Muncie, Ind. Adv. Aug. 19.	Aug. 19
Aug. 31	St. Louis, Mo.	Aug. 12
Aug. 31	Pawtucket, R. I. Adv. Aug. 19.	Aug. 19
Sept. 7	Wash., D. C.	Aug. 19

BRIDGES

Aug. 23	Claxton, Ga.	July 22
Aug. 23	Bonham Tex.	Aug. 5
Aug. 24	Harrisburg, Pa. Adv. July 29 to Aug. 19.	July 29
Aug. 24	Oregon	Aug. 19
Aug. 24	Jasper, Tex.	Aug. 19
Aug. 25	North Carolina	Aug. 5
Aug. 25	Powys (Trout Run P. O.), Pa.	Aug. 5
Aug. 25	Reading Pa.	Aug. 5
Aug. 25	Maine Adv. Aug. 12 and 19.	Aug. 12
Aug. 25	Illinois	Aug. 19
Aug. 30	Ebensburg, Pa.	Aug. 19
Aug. 31	New Jersey Adv. Aug. 12 and 19.	Aug. 19
Sept. 3	Mt Vernon, N. Y. Adv. Aug. 19.	Aug. 19
Sept. 3	Moundsville, W. Va.	Aug. 19
Sept. 6	Nenana, Alaska	Aug. 5
Sept. 6	Burlington, Ont.	Aug. 12
Sept. 10	Victoria, B. C.	Aug. 12
Sept. 15	Portsmouth, N. H. Adv. Aug. 12 and 19.	Aug. 12

STREETS AND ROADS

Aug. 23	New Jersey	Aug. 12
Aug. 23	Indiana	Aug. 19
Aug. 23	Montana	Aug. 19
Aug. 23	Montreal, Que.	Aug. 19
Aug. 23	Texarkana, Tex.	Aug. 19
Aug. 23	Long Island City, N. Y.	Aug. 19
Aug. 24	Michigan	Aug. 12
Aug. 24	Webster Springs, W. Va. Adv. July 29 to Aug. 19.	July 29
Aug. 24	Missouri	Aug. 5
Aug. 24	Columbia, S. C.	Aug. 5
Aug. 24	Glenville, W. Va.	Aug. 12
Aug. 24	Morgantown, W. Va	Aug. 12
Aug. 24	Maryland	Aug. 19
Aug. 24	Amherst, N. S.	Aug. 19
Aug. 24	Oregon	Aug. 19
Aug. 24	Maryland Adv. Aug. 19.	Aug. 19
Aug. 25	North Carolina	Aug. 12
Aug. 25	Terre Haute, Ind.	Aug. 19
Aug. 25	Illinois	Aug 19
Aug. 25	Brooklyn, N. Y.	Aug 19
Aug. 25	New York, N. Y.	Aug. 19
Aug. 26	New York, N. Y.	Aug. 19
Aug. 26	Elkins, W Va	Aug. 12
Aug. 26	Austin, Minn.	Aug. 19
Aug. 26	Oakhurst, N. J. Adv. Aug. 12 and 19	Aug. 19
Aug. 26	Sinton, Tex.	Aug. 19
Aug. 27	Troy, Kan.	Aug. 5
Aug. 27	Frederick, Md.	Aug. 19
Aug. 29	North Bergen, N. J.	Aug. 5
Aug. 30	Richfield, Minn.	Aug. 19
Aug. 30	Camden, N. J. Adv. Aug. 19.	Aug. 19
Aug. 30	Princeton, W. Va.	Aug. 19
Aug. 30	Eudora, Ark	Aug. 19
Aug. 31	Long Branch, N. J. Adv. Aug. 12 and 19.	Aug. 19
Aug. 31	New Jersey Adv. Aug. 12 and 19.	Aug. 19
Aug. 31	Columbus, O.	Aug. 19
Aug. 31	South Dakota	Aug. 19
Sept. 1	Wilson, N. C.	Aug. 12
Sept. 1	Madison, S. D.	Aug. 19
Sept. 1	Valleyfield, Que.	Aug. 19
Sept. 1	Hughesville, Pa.	Aug. 19
Sept. 3	Olathe, Kan.	Aug. 5
Sept. 3	Jourdanton, Tex.	Aug. 19
Sept. 4	Ft. Wayne, Ind.	Aug 19
Sept. 6	Indiana	Aug. 19
Sept. 7	Indiana	Aug. 19
Sept. 7	Greenfield, Ind.	Aug. 12
Sept. 7	Aitkin, Minn.	Aug. 12
Sept. 8	Cottonwood Falls, Kan.	Aug. 12
Sept. 9	Dodge City, Kan.	Aug. 19
Sept. 10	Shakopee, Minn.	Aug. 19
Sept. 14	Fergus Falls, Minn.	Aug. 19
Sept. 14	Charleston, W. Va.	Aug. 19
Sept. 14	Garnett, Kan.	Aug. 19
Sept. 21	St. George, S. C.	Aug. 12

EXCAVATION AND DREDGING

Aug. 23	Clinton, Ia.	Aug. 19
Aug. 24	Cedar, Minn.	Aug. 12
Aug. 25	St. John, N. B.	Aug. 12
Aug. 26	Marengo, Ia.	Aug. 19
Aug. 28	Raymond, Ill.	Aug. 19
Sept. 3	Marshalltown, Ia.	Aug. 19
Sept. 10	Corsica, S. D. Adv. Aug. 19.	Aug. 19

INDUSTRIAL WORKS

Aug. 15	Port Arthur, Ont.	July 22
Aug. 17	New Orleans, La.	Aug. 5
Aug. 24	Spring City, Pa.	Aug. 12
Aug. 31	New Orleans, La. Adv. Aug. 19.	Aug. 19
Sept. 1	Hutchinson, Kan.	Feb. 19
Sept. 15	Ossining, N. Y. Adv. Aug. 19.	Aug. 19

BUILDINGS

Aug. 23	Buffalo, N. Y.	Aug. 19
Aug. 23	Dickinson, N. D.	Aug. 19
Aug. 23	Brooklyn, N. Y.	Aug. 12
Aug. 24	Lincoln, Kan.	Aug. 12
Aug. 24	New York, N. Y.	Aug. 19
Aug. 24	Attleboro, Mass.	Aug. 19
Aug. 25	Lakewood (Cleveland P. O.), O.	Aug. 12
Aug. 26	Urbana, O.	Aug. 12
Aug. 26	Ottawa, Ont.	Aug. 12
Aug. 26	Brooklyn, N. Y.	Aug. 19
Aug. 26	Prospect, O.	Aug 19
Aug. 26	Newton, Kan.	Aug. 19
Aug. 27	London, Ont.	Aug. 19
Aug. 28	Auburn, Me.	Aug. 19
Aug. 30	Petersburg, Ind.	Aug. 12
Aug. 30	McKeesport, Pa.	Aug. 19
Aug. 31	Manchester, N. H.	Aug. 12
Sept. 1	Cedar Rapids, Ia.	Aug. 5
Sept. 2	Jeanette, Pa.	Aug. 12
Sept. 3	Ft. Wayne, Ind.	July 29
Sept. 3	Ollie, Ia.	Aug 12
Sept. 7	Marmarth, N. D.	Aug 19
Sept. 7	Windsor, Conn.	Aug. 19
Sept. 8	Wash., D. C.	Aug. 19
Sept. 10	West Hartford (Hartford P O.), Conn.	Aug. 19
Sept. 15	Denver, Col.	Aug. 12
Sept. 15	Denver, Col.	Aug. 5

FEDERAL GOVERNMENT WORK

Aug. 23	Stern Wheel Steel Towboat Hull—Vicksburg, Miss.	Aug. 5
Aug. 23	Remodeling Post Office — South Bend, Ind.	Aug. 5
Aug. 24	Canal—Caldwell, Idaho.	July 15
Aug. 25	Heating System—Spec. 4189 —Mare Island, Cal.	Aug. 12
Aug. 25	Station, etc.—Fairport, O.	Aug. 5
Aug. 25	Steam Distributing and Condensate Return System — Spec. 4258—Hampton Rds, Va.	Aug. 5
Aug. 25	Repairing Wharf and Slips —Spec. 4260—Wash., D. C.	Aug. 19
Aug. 26	Return Flue Boilers—Memphis, Tenn. Adv. Aug. 5 to 19.	Aug. 5
Aug. 26	Steel Hull—Memphis, Tenn. Adv. July 29 to Aug. 19.	Aug. 5
Aug. 26	Dredging — Providence, R. I. Adv. Aug. 5 to 19.	Aug. 5
Aug. 26	Telephone Motor Generators —Washington, D. C.	Aug. 19
Aug. 27	Remodeling Post Office and Court House — Roanoke, Va.	Aug. 5
Aug. 27	Sewage Ejector—Del Rio, Tex.	Aug. 12
Aug. 30	Stern Wheel Steamboat — St. Louis, Mo.	Aug. 5
Aug. 30	School and Assembly Hall —Tahlequah, Okla.	Aug. 19
Aug. 31	Remodeling Post Office— Astoria, Ore.	Aug. 12
Aug. 31	Bridge—Wash., D. C.	Aug. 19
Aug. 31	Lumber Storehouse—Philadelphia, Pa. Adv. Aug. 19.	Aug. 19
Sept. 1	Mechanics Shop, Filling, Shell and Magazine House —Spec. 4121—Mare Island, Cal.	Aug. 19
Sept. 3	Post Office—Columbia, S. C.	Aug. 5
Sept. 4	Building, etc. — Ogden, Utah	Aug. 19
Sept. 15	Jetty—Jacksonville, Fla. Adv Aug. 19.	Aug. 19
Sept. 16	Jetty—New Oreans, La. Adv. Aug. 19.	Aug. 19
Sept. 25	Harbor Development—Spec. 4136—Great Lakes, I.	Aug. 19

MISCELLANEOUS

Aug. 23	Sludge Pump and Motor— Willmar, Minn.	Aug. 12
Aug. 23	Window Guards — Thiells, N. Y. Adv. Aug. 19.	Aug. 19
Aug. 23	Heating and Ventilating Apparatus—New York, N. Y.	Aug 19

Bids Close		See Eng News-Record
Aug. 24	Road Materials—New York, N. Y.	Aug. 19
Aug. 24	Riprap—Cape May, N. J. Adv. Aug. 19.	Aug. 19
Aug. 26	Heating and Ventilating System—Wash., D. C.	Aug. 19
Aug. 31	Wharf—Owen Sound, Ont.	Aug. 12
Aug. 31	Railway Ties — Toronto, Ont.	Aug. 19
Sept. 2	Breakwater—Quaco, N. B.	Aug. 19
Sept. 2	Sluice Gates—Sacramento, Cal. Adv. Aug. 19.	Aug. 19
Sept. 3	Wharf—Notre Dame des Sept. Douleurs, Que.	Aug. 19
Sept. 3	Sanitary Equipment—Columbus, O.	Aug. 19
Sept. 6	Retaining Wall, etc.—Cleveland, O.	Aug. 12
Sept. 7	Dikes—St. Louis Mo.	Aug. 19
Sept. 9	Terminal—Buffalo, N. Y.	Aug. 12
Sept. 9	Terminal — Rouses Point, N. Y.	Aug. 12
Sept. 15	Street Paving, etc.—Philadelphia, Pa. Adv. Aug. 5 to 19.	Aug. 5
Sept. 22	Breakwater—Chicago, Ill. Adv. Aug. 19.	Aug. 19
Sept. 30	Transformers, etc.—Sacramento, Cal. Adv. Aug. 19.	Aug. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. H., Peterboro—Peterboro Waterworks Co. plans to build extensions to waterworks system. Private plans.

S. C., Bamberg—City plans to improve water works system. About $25,000. Ryan Eng. Co., Columbia, engrs.

S. C., Blacksburg—See "Sewers."

Fla., Clermont—City voted $30,000 bonds to build water plant.

Ia., Vinton—City voted $45,000 bonds to build additions to waterworks system, electric light and power plant.

Kan., Eldorado—City voted $25,000 bonds to build new filter system for water plant. Engineer not selected.

Mo., Carthage—City sold $100,000 bonds to enlarge water and electric light plant. J. N. Marsh, treas.

Ark., Ft. Smith—City plans to improve waterworks system, to include 2-4 additional settling basins and equipment, 2 new boilers and 1 pumping engine. F. M. Smith, clk.

BIDS DESIRED

Miss., Tunica—Until Sept. 8, by city, building 100,000 gal. rein.-con. reservoir, triplex pumping unit and frame pumphouse. About $15,000. A. L. Dabney, Randolph Bldg., Memphis, Tenn., engr.

Mich., Owosso—Until Aug. 23, by B. K. Lucas, city clk., building 177 ft. concrete storage reservoir for waterworks system. Hoad & Decker, Ann Arbor, engs.; advertised in this issue.

Mich., Springwells—Until Sept. 1, by G. Jerome, village engr., 1331 Majestic Bldg., Detroit, furnishing labor and material for waterworks system, to include 5,000 ft. 6 in. pipe, 8 fire hydrants, valves, etc., to be connected with Detroit city water system. Noted April 22.

Minn., Benson—See "Sewers"

Minn., Freeport—Until Aug. 27, by F. Rieland, city clk., furnishing 60,000 gal. steel water tank. Bradley Eng. Serv., St. Cloud, engr.

Sewers

PROPOSED WORK

S. C., Blacksburg—City had plans and estimates made by H. Beebe, engr., Spartanburg, for sewerage and waterwork systems. About $125,000.

Ky., Louisa—City soon receives bids building sanitary sewerage system. About $50,000. W. A. Smith, Huntington, W. Va., engr.

Wis., Cedarburg—City having plans prepared excavating and laying sewers in 6.2 mi. of various streets, also building sewage pumping station and 2 disposal tanks, involving 33,021 ft. 8-12 in. vitr. pipe, 207 cu.yd. concrete, 105 manholes, etc. About $100,000. W. G. Kirchhoffer, 31 Vroman Blk., Madison, engr. Noted May 6.

Mo., Joplin—City plans to build new storm and sanitary sewers, also repair and extend present sewers. About $291,500. J. F. Osborne, mayor.

BIDS DESIRED

R. I., Pawtucket—Until Aug. 31, at office of G. A. Carpenter, city engr., building 2,100 ft. concrete sewer pipe, 60 in. diam. and 18 ft. deep; advertised in this issue.

N. Y., Brooklyn—Until Aug. 25, by E. Riegelmann, boro. pres., furnishing labor and material building sewer in East 37th St. from Ave. I to proposed Marginal St. south of Long Island R.R., East 15th St. from end of existing sewer about 380 ft. south of Ave. J to Ave. K, sewer basin at southwest corner of 47th St. and Old New Utrecht Rd., Benson Ave. at north and east corners of Bay 11th St., 19th Ave. at easterly corner of 67th St., Sheepshead Bay Rd. at northwest corner of Voorhis Ave.

N. Y., Long Island City—Until Aug. 23, by M. E. Connolly, pres. Queens Boro., building sewer and appurtenances in Arcadia Ave. from point 150 ft. north of 16th Ave. to point 150 ft. south, Broad St. from Maspeth to Clinton Aves., Howland St. from Ditmars to Wolcott Aves., Mueller St. from Hull to Borden Aves.

N. Y., St. George, S. I.—Until Aug. 23, by C. D. Van Name, pres. Richmond Boro., building temporary sanitary sewers with necessary appurtenances in Seaside Blvd. from Sea Ave. to point 3,000 ft. west of Sand Lane, and through easement westerly from this point to easement in extension of Cromwell Ave., in an easement in Cromwell Ave. and its southerly extension from existing sewer about 2,120 ft. north of Southfield Beach R.R. to point 135 ft. south of railroad, building outlet sewer through an easement in the extension of Cromwell Ave. from point 185 ft. north of Southfield Beach R.R. to point 130 ft. north of main high water line.

N. Y., St. George, S. I.—Until Aug. 26, by C. D. Van Name, pres. Richmond Boro., building temporary sanitary sewer with necessary appurtenances in Grand View Ave. from Richmond Terrace to Anderson Pl.

D. C., Washington—Until Sept. 7, by Dist. Comrs., Dist. Bldg., constructing 1,000 lin.ft. concrete sewer in various streets.

Ind., Muncie—Until Aug. 30, by Bd. Pub. Wks., building main trunk line sewer. About $370,000. S. H. Weber, city engr.; advertised in this issue.

Minn., Benson—Until Aug. 23, by O. H. Strand, city clk., building extensions to sewerage and water systems, involving 7,654 ft. 12 in. sewer pipe, 2,000 ft. Class "B" c.i. pipe, etc. About $25,000. Bradley Eng. Service Co., St. Cloud., engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Conn., West Haven (New Haven P. O.)—City let contact building storm sewers in various streets, to Dwyer & Mannix, 335 Shelton Ave., New Haven. About $25,000.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., let contract building sewers and appurtenances in Carona Ave. and Hallett St., to Green Contg. Co., 734 Vernon Ave., Astoria, $13,353 and $7,347 respectively; Rust St., to F. L. Piano, $37,500; Meechman St. and Maure Ave., to T. Welsh, $7,052 and $17,425 respectively; Woodmere Pl., Manor and Greenwood Aves., to Kennedy & Smith, 94 Main St., Flushing, $160, $1,000 and $1,094 respectively. Noted July 1.

N. Y., New York—H. Bruckner, pres. Bronx Boro., received lowest 3 bids Aug. 10, building sewer and appurtenances in Leland, Wood and East Tremont Aves., from A. F. DelBalso, $33,245, Norton Eng. & Constr. Co., $35,616, McLoughlin & Buckley, $36,415. Noted Aug. 5.

★O., Cleveland—City let contract building sewers in Miles Ave. from old to new city limits, to W. McDowel & Son, 10319 Miles Ave., $30,879; Nelson Ave. from East 99th to East 112th Sts., to A. J. Galvin, 343 The Arcade, $28,200; Ferris Ave. from East 123rd to East 131st Sts., to Stevens & McKeon, 343 The Arcade, $5,980. Work involves 1,660 ft. 4 in. egg shaped rein.-con. and 3,110 ft. 12-20 in. vitr. pipe, 1,800 ft. 2 in. B and C tile blocks, etc. Noted Aug. 12.

★O., Dayton—Montgomery Co. let contract building Oakwood Heights sewer to Gessner Co., Toledo. About $228,000.

★Mich., Detroit—Dept. Pub. Wks. let contracts furnishing labor and material (except manholes, rings and covers) building Lateral Sewer 3,280 between Gratiot, Roseberry, and Promenade Sts. and alley north of Roseberry St., also 3,306 between Connors, Lenox, Debuck and Forest Sts., to Western Constr. Co., 1208 Ford Bldg., $826 and $18,900 respectively; 3,304 tween Fisher, Crane, Georgia and Mar Sts., to A. H. Haynes, 70 Davenport A $4,550; 3,313 between Jos. Camp Mitchell, Carpenter and Halleck Sts. Oakwood Constr. Co., 165 Fort E $6,755; 3,315 between Riopelle and quindre Sts., and point 1,300 ft. so Davison St. to Davison St., to R. D. Bai 485 Elmhurst St., $22,500. Noted Aug.

★Minn., Lake Benton—Village let contract building sewerage system to Paste Constr. Co., 510 Lyceum Bldg., Dulu $104,942.

Bridges

PROPOSED WORK

W. Va., Remney—Comrs. Hampshire C rejected bids July 27, building steel stiffen truss and new plank floor on 310 ft. sus pension bridge over south branch of Pot mac River, between here and Springfield R. P. Monroe, co. engr. Noted July 22.

N. Y., Mt. Vernon—Until Sept. 3, by Citie of Yonkers and Mt. Vernon and Bron Parkway Comn., at office of Bronx Park way Comn., West Pondfield Rd., Bronxville completing Broad St. Viaduct crossing New York Central R.R. tracks and Bronx River between here and Bronxville; advertised in this issue.

New Jersey—Until Aug. 31, by State Highway Comn., Trenton, building bridges on State Highway 2, Roebling-Bordentown, Burlington Co. A. L. Grover, ch. clk. C A. Mead, 790 Broad St., Newark, bridge engr. H. D. Robbins, Broad St. Bank Bldg. Trenton, div. engr.; advertised in this issue Noted July 8.

Pa., Ebensburg—Until Aug. 30, by H. T Jones, controller Cambria Co., building concrete and steel bridge, over Little Conemaugh River, between Franklin and East Conemaugh Boroughs, 21 ft. wide. About $100,000. H. F. Dorr, Trust Bldg., co. engr. A. A. B. Curry, Schnabel Bldg., Johnstown, engr.

W. Va., Moundsville—Until Sept. 3, by J. E. Chase, clk. Marshall Co., building following bridges; one 25 ft. span over Hogg Run, and one 25 ft. span over Fish Run Clay Dist.; one 30 ft. span over forks of Grave Creek, Cameron Dist. near Cameron; one 100 ft. or two 70 ft. spans over Fish Creek, Liberty Dist., near Bellton.

Illinois—Until Aug. 25, by Dept. Pub Wks. and Bldgs., Springfield, building bridges on East Moline-Princeton Highway, Federal Aid Project 20, Sect. 3 B, 2 concrete bridges, each to have one 45 ft. span, involving 452 cu.yd. concrete, 52,310 lb. steel and 660 bbl. cement; Sect. 4 B, 1 steel bridge, one 80 ft. span, 193.1 cu.yd. concrete, 57,470 lb. steel, 282 bbl. cement, etc.; Sect. 4 C, 4 concrete box culverts, one 5 x 6 ft., two 8 x 12 ft. and one 7 x 12 ft., 284.5 cu.yd. concrete, 27,120 lb. steel and 415 bbl. cement; Sect. 5 B, 2 concrete bridges each to have one 24 ft. span, 212.7 cu.yd. concrete, 22,930 lb. steel, 311 bbl. cement, etc.; Sect. 6 B, 1 steel bridge, one 120 ft. span, 152.8 cu.yd. concrete, 106,610 lb. steel, 283 bbl. cement, etc., all in Henry Co.; Sect. 7 B, 2 concrete bridges, one 20 ft. and one 45 ft. spans, Henry and Bureau Counties, 298.2 cu.yd. concrete, 33,870 lb. steel and 436 bbl. cement; Sect. 8 B, 129.1 cu.yd. concrete, 11,860 lb. steel and 189 bbl. cement; Sect. 10 B, bridge repairs, 89.4 cu. yd. concrete, 5,320 lb. steel and 127 bbl. cement, both in Bureau Co.; Monmouth-Galesburg Highway, Federal Aid Project 21, Sect. 2 B, 2 concrete bridges, one 30 ft. and one 50 ft. spans, Warren Co., 476.7 cu.yd. concrete, 53,705 lb. steel, 696 bbl. cement, etc.; Vandalia-Cairo Highway, Federal Aid Project 14, Sect. 23B 2 steel bridges, each to have 90 ft. span, 1,739 cu.yd. concrete, 34,960 lb. steel, 733 bbl. cement, Sect. 23 C, 3 concrete bridges, one 20 ft. and nine 26 ft. spans, 183,880 lb. steel, 1,807 bbl. cement, etc., both in Fayette Co.; Natl. Highway, Federal Aid Project 9, Sect. U, 1 steel bridge, two 150 ft. spans, 1,887.6 cu.yd. concrete, 1 steel and concrete bridge, Sect. U 1, one 6 ft. and ten 26 ft spans, Sect. U 2, 2 concrete bridges, seven 26 ft. spans. C. Older, ch. highway engr.

Tex., Jasper—Until Aug. 24, by C. C Brown, judge Jasper Co., building 1,600 ft. bridge over Angelina River, 16 ft. roadway, to have one 150 ft. steel span and two 75 ft. spans on concrete piers and wooden pile trestle approaches. Alternate bid on two 150 ft. steel spans on rein.-con. piers and wooden pile trestle approaches. Cost $54,057 and $50,206 respectively. C. P Hunter, Jasper, co. engr. Noted Aug. 12.

Wash., McKenna—McKenna Lumber Co. receiving bids building 200 ft span bridge advertised in this issue.

Bridges (Continued)

Oregon—Until Aug. 24, by State Highway Comn., Salem, building 5 wooden bridges on John Day River Highway, Grant Co., involving 715 cu.yd. excav., 15 cu.yd. Class "A" and 345 cu.yd. Class "B" concrete, 6,400 lb. metail reinforcing, 224 lin.ft. wooden trestle, four 40 ft. and two 105 ft. wooden trusses; 1 bridge over Haystack Creek on John Day River Highway, Wheeler Co., 80 cu.yd. excav., 30 cu.yd. Class "B" concrete, 40 lin.ft. wooden trestle and one 40 ft. wooden truss. H. Nunn, state highway engr. Noted Aug. 5.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Bristol**—City let contract building bridge on North St., to United Contg. Co., Meriden, on Jacobs St., to A. DiMarco, 221 Berlin Ave., Southington. About $25,000.

★**Fla., Milton**—State Rd. Dept., Tallahassee, let contract building 388 ft. bridge with 18 ft. road and 6 ft. walk, over Blackwater River, here, to Pensacola Shipbuilding Co., Blount Bldg., Pensacola. Noted Jan. 1.

★**O., Columbus**—Franklin Co. let contract building 42 ft. concrete bridge with 22 ft. roadway over Rocky Creek on Granville Rd., to O. C. Swickart, New Albany, $4,849; 833 ft. steel bridge with 30 ft. roadway and 6 ft. walk on each side over Scioto River, on Greenlawn Ave., to I. I. Smith, Richmond, Ind., $436,987. Noted June 24.

★**Illinois**—State Highway Dept., Springfield, let contracts building bridges on Federal Aid Project 16, Sect. 15 B, Jefferson Co., Sect. 16 B, Jefferson and Wayne Counties, Sect. 18B, Wayne Co., to C. F. Edwards, Edwardsville, $50,000; Federal Aid Project 19, Sects. 18 B and 19 B and C, Stephenson Co., to Ferguson Constr. Co., 1033 North 2nd St., Rockford, $9,034, $16,267 and $24,273 respectively. Noted Aug. 5.

Wis., Fond du Lac—Bd. Pub. Wks. received bids Aug. 6, building 107 ft. concrete or steel bridge, on Scott St., from Stein Constr. Co., 204 Grand Ave., Milwaukee, (concrete) $82,500; Vulcan Mfg. Co., 490 North Main St., (steel) $89,838; Goffin & Gehri, 270 Sheboygan St., (concrete) $94,756. Noted July 29.

Tex., Groesbeck—Limestone Co. received bids building several 20 ft. concrete slab bridges, 15 ft. roadway, one 60 ft. and one 70 ft. steel spans, and other bridges and culverts, various lengths, from Tibbetts Constr. Co., Mineral Wells, $105,422; Womack Constr. Co., Sherman, $109,278; Wear, Thomas & Ratcliff, Rogers, $110,540. Work involves 1,000 cu.yd. dry and 150 cu.yd. wet structural excav., 73,200 lb. structural steel 160,000 lb. steel bars, 1,300 cu.yd. Class "A" and 1,200 cu.yd. Class "B" concrete.

★**Ariz., Florence**—Pinal Co. Highway Comn. let contract building two 140 ft. clear span rein.-con. bridges, on Ray Kelvin Highway, to De Waard & Cobham, $49,677, not including engineering and contingencies. Work involves 187 cu.yd and 198 cu.yd. dry excav., at $2.50 per cu.yd., 234 cu.yd. and 135 cu.yd. wet excav., $6., Class "C" and "A" concrete in foundation, $18 and $21 respectively, Class "A" concrete in superstructure, $25, reinforced steel, $0.12. Noted July 15.

Streets and Roads

PROPOSED WORK

New Hampshire—State Highway Comn., Concord, plans to build Southside Rd., Portsmouth. About $25,000.

Mass., Palmer—Rd. Comrs. soon let contract building 4,200 ft. cement, concrete and bituminous macadam highway. About $30,000.

New York—F. S. Greene, state highway comr., Capitol, Albany, received no bids Aug. 10, completing and repairing Rd. 385, Albany Co., and 8.85 mi. Rd. 1496, Essex Co. Noted Aug. 5.

Pa., Warrior Run (Peely P. O.)—Boro. voted $75,000 bonds to pave various highwals.

Maryland—State Rds. Comn., 601 Garrett Bldg., Baltimore, plans to build roads in following counties; 2 mi. Nat. Pike toward Vale Summit, 1.6 mi. on Legislative Rd. 1.6 mi. from Barrellville to Pennsylvania Line, Allegany Co.; 3.5 Mountain Rd., Anne Arundel Co., 2 mi. Herford Rd., 2.3 mi. Phila. Rd., 1 mi. Falls Rd., 1 mi. Park Heights Ave. and 1 mi. North Point Rd., Baltimore Co.; 1 mi. Manchester Rd., 3.5 mi. New Windsor Rd., 1 mi Hanover Rd., 1.5 mi. Union Bridge Rd., 2.5 mi. Warfieldsburg Rd. and 1 mi. Oakland Mills Rd., Carroll Co.; 2.5 mi. Grove to Fowling Creek, 1.5 mi. Longs Schoolhouse to Hillsboro, 1 mi. Ridgeley to Bridgetown, 1.5 mi. Goldsboro to Delaware Line north, Caroline Co.; 2 mi. Eldorado-Federalsburg Rd., .3 mi. adjacent to Hurlock, Dorchester Co.; 2 mi. Friendsville to Kaeses Mill, 2 mi. Oakland-Hutton Rd., Garrett Co.; 3 mi. Phila. Rd., 2 mi. Black Horse to Jarrettsville, Harford Co.; 2.8 mi. Still Pond Sta. to state rd., 3.2 mi. Galena-Millington Rd., Kent Co.; 4 mi. Beallsville to Dickerson, 3.2 mi. Rockville to Hunting Hill, 2.8 mi. Gaithersburg, Muncaster Hill, 3 mi. Sligo-Colesville, Montgomery Co.; 2 mi. Ingleside-Millington, 2 mi. Stevensville-Love Rd., Queens Annes Co.; 5 mi. Morganza to Colton, St. Marys Co.; 5 mi. end of state line to Pocomoke, Somerset Co.; 3 mi. Easton-Claiborne Rd., Talbot Co.; 3.6 mi. DuPont Blvd. connection at Berlin, 2 mi. Snow Hill-Stockton, 2 mi. Pocomoke-Stockton, Worcester Co.; 2 mi. state road from Willards to Powellville, 4 mi. Quantico to Royal Oak, Wicomico Co. About $2,500,000. J. N. Mackall, state highway engr.

W. Va., Spencer—Comrs. Roane Co. received no bids Aug. 5 building cement-concrete surface on 3 mi. Spencer-Walton Rd., Federal Aid Project 85, 16 ft wide. Noted July 22.

W. Va., Wheeling—Comrs. Ohio Co. plan to pave 2 mi. National Rd., vitr. brick on concrete base. About $300,000. W. O. McCluskey, Jr., co. engr.

N. C., Hertford—Comrs. Perquimans Co. had surveys made by Carolina Eng. Co., engrs., 412 Southern Bldg., Wilmington, for building 15 mi. hard surface road.

Fla., Haines City—City voted $140,000 bonds to improve various streets.

Ohio—State Highway Dept., Columbus, plans to build roads in the following counties:

Montgomery Co., 3.25 mi. Germantown Pike between Germantown and Dayton, rock asphalt or concrete.

Clermont Co., 1.51 mi. Cincinnati-West Union Rd., macadam.

Huron Co., 3.11 mi. Columbus-Sandusky Rd. between Seneca Co. line and south line of Sherman Twp., brick.

Tuscarawas Co., 4.04 mi. Newcomerstown and Coshocton Rd. between West Lafayette and Tuscarawas Co. line, brick or concrete.

Richland Co., 3.301 mi. Mansfield-Norwalk Rd. between Mansfield and Shenandoah, bituminous or concrete.

Brown Co., 3.24 mi. Milford-Hillsboro Rd. between Fayetteville and Hillsboro, macadam.

Highland Co., 2.24 mi. Hillsboro-Washington Rd. between Leesburg and Fayette Co. line, macadam.

Crawford Co., 4.08 mi. Bucyrus-Upper Sandusky Rd. between Bucyrus and Upper Sandusky, asphalt or brick. Federal Government will appropriate toward cost.

O., Columbus—City rejected bids received Aug. 3, paving alley west of Delaware Ave. from 1st to 2nd Aves., alley north of Frambes Ave. from Waldeck to Indianola Aves. Ludlow St. from Gay to Chestnut Sts., alley west of Ohio Ave. from Mound to Fulton Sts., Pearl St. from Chittenden to 13th Aves., alley west of 17th St. from Bryden Alley to Rich St., alley north of Vermont Pl. from alley west of Michigan Ave. to Perry St. Work may be readvertised. Noted Aug. 12.

Mich., Detroit—City plans to pave following streets with sheet asphalt on 8 in. concrete base, with Berea, Medina or Amherst curb, alleys to have 1 course concrete with 2 x 6 in. retaining plank; Anderson St. from Charlevoix to Mack Aves., Boston Blvd. from Linwood to Dexter Blvds., Center Line St. from Harper to Erbie Sts., Chapin St. from Crane to Rohns Sts., Dix Ave. from Carson St. to city limits, Ellery St. from Canfield to Garfield Sts., Ellery St. from East Grand Blvd. to Harper Ave., Gladstone St. from Lawton St. to Dexter Blvd., Manistique St. from Kercheval to Waterloo Sts., Meldrum St. from Mack Ave. to Benson St., St. Clair St. from Shoemaker to Harper Aves., Sturtevant St. from 12th St. to Pere Marquette right-of-way, alleys between Beniteau, Fairview, Charlevoix and Goethe Sts., alley between Harnor Court, Lee Pl., Byron and Pingree Sts., alley between Coplin, Lakeview, Jefferson and Kercheval Aves., alley between Drexel, Lenox, Jefferson and Kercheval Aves., alley between Dubois, Chene, Frederick and Kirby Aves., alley between Forsythe, 4th, Stanley and Holden Sts., alley between Lillibridge, Fairview, Edlie and Jefferson Aves., alley between Merrill, Greenfield, Delaware and Seward Sts., alley between Edlie St., Montclair, Le May and Jefferson Aves., alley between Moran, Ellery, Leland and Alexandrie Aves., alley between Woodward, Monroe, Campus and Gratiot Aves. C. W. Hubbell, city engr.

Ill., Moline—City soon receives bids laying 18,953 lin.ft. concrete sidewalks. About $25,654. A. Anderson, clk.

Wis., Hartford—City plans to grade and macadamize 11.5 blocks McKinley St., 18-20 ft. wide. W. Radke, clk.

Minn., Preston—Fillmore Co. plans to gravel 7 mi. State Rds. 1 and 6. About $34,296. Federal Government asked to appropriate toward cost. W. Dunbar, Preston, engr.

Minn., St. Paul—Ramsey Co. receives bids about September building 6 mi. St. Paul-Duluth Highway from city limits to White Bear Lake, also 3.5 mi. Rice St., both 24 ft. wide, concrete base with concrete or asphaltic concrete surface. About $340,000 and $175,000 respectively. R. R. Godfrey, Court House, engr. Noted July 15.

Minn., St. Paul—City and Ramsay Co. receive bids in fall surfacing 1.5 mi. Oakdale Ave. from south city limits to Concord St., also paving 5.5 mi. Point Douglas Rd. from Hastings Ave to south county line, both concrete. About $60,000 and $240,000 respectively. O. Claussen, city engr. R. D. Godfrey, Court House, co. engr.

Minn., Wabasha—Wabasha Co. plans to gravel 15 mi. State Rd. 1, 24 ft. wide, about $75,767. Federal Government asked to appropriate toward cost. C. M. Matthies, Wabasha, engr.

Kan., Concordia—Cloud Co. had plans prepared grading, paving and building bridges and culverts on 40 mi. of Midland Trail, 18 ft. wide. Tuttle, Ayres & Woodward, Reliance Bldg., Kansas City, Mo., engrs.

Tex., Center—Shelby Co., Rd. Dist. 5, voted $70,000 bonds to build section of Highway 22; Rd. Dist. 3, $350,000 bonds, to improve Highways 8 and 22; Rd. Dist. 6, $100,000 bonds to improve 8 mi. of Highway 8-A. J. L. King, co. judge. T. H. Dillon, co. engr.

Tex., Montague—Montague Co. having plans prepared grading, surfacing and draining 4.117 mi. Highway 2D from Ringold to Red River, 16 ft. wide. About $48,500. J. R. Hill, Bowie, co. engr.

Tex., Olton—Lamb Co. having plans prepared grading, surfacing and draining 33.2 mi. Highway 7 from Hockley to Bailey Co., 16 ft. wide, involving 175,186 lin.ft. road machine work, 573 cu.yd. Class "A" concrete, 6,000 cu.yd. clay surfacing, 68,400 lb. reinforcing steel, 33,900 cu.yd. earth and 495 cu.yd. rock excav. About $66,518. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Tex., Quitman—Wood Co. had plans prepared surfacing 16 mi. Jim Hogg Highway from here to north county line, 12 ft. wide, involving 25,024 cu.yd. gravel. About $110,106. S. D. Davis, Quitman, co. engr.

BIDS DESIRED

N. Y., Brooklyn—Until Aug. 25, by E. Riegelmann, boro. pres., regulating and repaving with asphalt on concrete foundation roadway of Bedford Ave. from Empire Blvd. to Flatbush Ave. with permanent asphalt, Ralph Ave. from Bway. to Macon St., with permanent Grade 1 granite, on 6 in. concrete foundation, Flatbush Ave. from Park Plaza to point 454 ft. north of Empire Blvd., regulating, grading, curbing and laying sidewalks on East 7th St. from Foster Ave. to Ave. H, East 17th St. from Ave. L to Ave. M, Mansfield Pl. from Ave. N to Kings Highway, 64th St. from New Utrecht to 15th Aves., regulating and paving with permanent asphalt on 6 in. concrete foundation, East 7th St. from Foster Ave. to Ave. H, East 10th St. from Ave. L to Ave. M, 56th St. from 14th to 15th Aves., regulating, grading, curbing, laying sidewalks and building bulkhead on Warehouse Ave. from Surf Ave. to point 600 ft. south, regulating, grading, curbing, laying and relaying sidewalks on 20th Ave. from 80th to 82nd Sts., furnishing and delivering 6,000 cu.yd. asphalt sand.

N. Y., Long Island City—Until Aug. 23, by M. E. Connolly, pres. Queens Boro., regulating and paving with bituminous macadam, Ash Ave. from Parsons Ave. to Bowne St., regulating and repaving with, asphaltic concrete on prepared macadam and concrete foundation Bway. between 30th St. (Flushing) and 10th St. (Bayside) and between Main St. (Douglaston) and city line (Little Neck), with asphalt blocks on concrete foundation, between curbs and outside rails and with improved granite blocks on concrete foundation between outer rails, Metropolitan Ave. from Flushing Ave. to Helen St., regulating and grading Howland St. from Wolcott to Ditmars Aves., Hallett St. from Ditmars to Wolcott Aves., Opdyke St. from Albuttis to Tieman Aves.,

Streets and Roads (Continued)

from Woodside Ave. to right of way of Long Island R.R., curbing and laying sidewalks and crosswalks from Woodside to Stryker Aves., regulating, grading, curbing and laying sidewalks and paving with permanent sheet asphalt on concrete foundation, 97th St. from Jamaica to Atlantic Aves., regulating, recurbing and paving with permanent sheet asphalt on 6 in. concrete foundation, Stockholm St. from Onderdonk to Seneca Aves., regulating, grading, curbing, building 2 receiving basins and appurtenances at Metropolitan Ave.

N. Y., St. George, S. I.—Until Aug. 23, Park Bd., at office of Dept. Parks, Municipal Bldg., furnishing labor and material regulating and covering with new surfacing material, Jasper Oval Playground.

N. Y., New York—Until Aug. 25, by H. Bruckner, pres. Bronx Boro., repaving with sheet asphalt on concrete foundation, roadway of Claremont Parkway from Webster to Park Aves. and from Washington to 3rd Aves., and setting curb where necessary.

N. Y., New York—Until Aug. 24, by H. H. Curran, pres. Manhattan Boro., regulating and repaving with sheet asphalt on concrete foundation, roadway of 48th St. from 7th Ave. to Bway., 49th St. from 7th Ave. to Bway., with 3 in. asphalt block, 48th St. from 7th Ave. to Bway, 49th St. from 7th Ave. to Bway., with granite block, 2nd Ave. from 61st to 63rd Sts., 13th Ave. from Gansevoort to Bloomfield Sts., Bloomfield St. from 10th to 13th Aves., Gansevoort St. from West St. to 13th Ave., 153rd St. at intersection of 7th Ave., with wood block, Hudson St. from Jay St. to point 174 ft. N., regulating, curbing, recurbing, flagging, reflagging and paving West 189th St. from Audubon to St. Nicholas Aves., 9th Ave. from northerly side of 207th St. to southerly side of 209th St., repairing sewer in East 23rd St. between 1st Ave. and Ave. A.

New Jersey—Until Aug 31, by State Highway Comn., Trenton, building State Highway Route 1, Sect. 9, Milton Ave., Rahway to Rahway-Linden Line; Sect. 10, Rahway-Linden Line to Roselle Boro.; Sect. 11, Roselle Boro. to Elizabeth City Line, all in Union Co. A. L. Grover, clk. R. Mullins, 790 Broad St., Newark, engr.; advertised in this issue.

N. J., Camden—Until Aug. 30, by Bd. Freeholders Camden Co., improving Clements Bridge Rd., Center Twp., Hadden Heights and Barrington Boroughs. F. W. George, clk; advertised in this issue.

N. J, Long Branch—Until Aug. 31, by Bd. Comrs., paving and building retaining wall on Ocean Ave. E. F. Lawyer, clk.; advertised in this issue.

N. J., Oakhurst—Until Aug. 26, by Ocean Twp., paving Lake Ave. (or Ocean Rd.). J. F. Woolley, chn. W. B. Jeffrey, clk. J. W. Seaman, 191 Bway., Long Branch, engr.; advertised in this issue.

Pa., Hughesville—Until Sept. 1, by C. E. Cadman, pres. Hughesville Council, Grange Natl. Bank Bldg., paving and curbing various streets; Contr. 1, involving 865 sq.yd. rein.-con. paving, and 2,600 ft. monolithic rein.-con. curbing; Contr. 2, 6,400 ft. concrete curbing; Contr. 3, 2,600 ft. concrete curbing, including expansion joints, also bid without expansion joints. About $40,000.

Maryland—Until Aug. 24, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building .31 mi. state highway through to Pocomoke (Contr. WO.—21), also .19 mi. state highway through to Snow Hill (Contr. WO—22). J. N. Mackall, chn.; advertised in this issue.

Md., Frederick—Until Aug. 27, by Comrs. Frederick Co., resurfacing 1.52 mi. State Aid Highway from Monrovia toward Hyattstown, 16 ft. wide, stone or amiesite on reconstructed stone base. J. N. Mackall, 601 Garrett Bldg., Baltimore, engr.

W. Va., Charleston—Until Sept. 14, by Comrs. Kanawha Co., grading and masonry work on 9,000 ft. of road from Elk View to Little Sandy. L. C. Massey, clk.

W. Va., Princeton—Until Aug. 30, by L. G. Bowling, clk. Mercer Co., grading 1 mi. road from Flat Top Yards to mouth of Abbs Valley, 12 ft. wide. E. C. Barton, co. engr.

O., Columbus—Until Aug. 31, by Comrs. Franklin Co., grading, draining and paving 1.17 mi. Hess Rd., 18 ft. wide, Marion Twp., rein.-con., cost $50,920; grading and paving 321 ft. Sullivant Ave. from Hague Ave. to corporation line, 24 ft. wide, rein.-con., $5,266. C. C. Lattimer, Court House, engr. Noted June 3.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Aug. 23, St. Joseph Co., South Bend, 14,264 ft. Turkey Creek Rd., Portage and Center Twps., concrete. C. Sedgwick, aud.

Sept. 6, Potter Co., Valparaiso, 2.77 mi. R. M. Phillips et al. Rd., also 2.29 mi. A. Hawkinson et al. Rd., Portage Twp.; 5.1 mi. B. F. Williams et al. Rd., Morgan and Pine Twps.; C. M. Sheffield et al. Rd., Washington Twp., all gravel. B. H. Kinne, aud.

Sept. 6, Washington Co., Salem, 19,316 ft. Salem and Delaney Creek Rd., also 13,326 ft. Dog Trot 2, Washington Twp.; 14,098 ft. Salem and Orleans 2 Rd., Vernon Twp.; 12,528 ft. Pekin and Borden Rd., Polk Twp. E. E. Batt, aud.

Sept. 7, Montgomery Co., Crawfordsville, 10,960 ft. G. Himes et al. Rd., Scott and Union Twps., gravel. W. McClelland, aud.

Sept. 7, Bartholomew Co., Columbus, 2,120 ft. road between Clifty and Hawcreek Twps., crushed rock. R. Henderson, aud.

Ind., Ft. Wayne—Until Sept. 4, by Comrs. Allen Co., grading, draining and pacing 7,837 ft. Pontiac St. and Bueter Rd., involving 5,733 lin.ft. 9-12 in. rein.-con., 24 ft. wide, also 2,104 lin.ft. 7-9 in. plain concrete 18 ft. wide. About $138,000. A. W. Grosvenor, Court House, co. surv.

Ind., Terre Haute—Until Aug. 25, by city, improving 1 mi. North 19th St., involving 20,100 sq.yd. paving, also 1,400 ft. North 25th St., 20 ft. wide, 3,400 sq.yd. paving, brick, concrete, asphalt and wood blocks. R. A. Koerner, city civil engr.

Illinois—Until Aug. 25, by Dept. Pub. Wks. and Bldgs., Springfield, improving East Moline-Princeton Highway, Federal Aid Project 20, .95 mi. Sect. 2A, 32 ft. wide, involving 7,350 cu.yd. excav., 22.8 cu.yd Class "A" concrete and 1,180 lb steel, 5.94 mi. Sect. 3A, 21 and 32 ft. wide, 46,896 cu.yd. excav., 542.5 cu.yd. Class "A" concrete, 43,608 lb. steel and 792 bbl. cement, .69 mi. Sect. 4A 32 ft. wide, 8,541 cu.yd. excav., 11.6 cu.yd Class "A" concrete 1.4 mi. Sect. 5A, 32 ft. wide, 11,325 cu.yd. excav., 23.8 cu.yd. Class "A" concrete and 1,420 lb steel, 1.64 mi. Sect. 6A, 32 ft. wide, 29,459 cu.yd. excav., 42.1 cu.yd. Class "A" concrete, and 3,140 lb. steel, all in Henry Co.; 4.34 mi. Sect. 7A, Henry and Bureau Counties, 32 ft. wide, 31,959 cu.yd. excav., 102.9 cu.yd. Class "A" concrete, 7,813 lb. steel and 150 bbl. cement; 1.57 mi. Sect. 8A, 32 ft. wide, 14,179 cu.yd. excav., 23.4 cu.yd. Class "A" concrete, 1,330 lb. steel, .89 mi. Sect. 10A, 21 and 32 ft. wide, 17,760 cu.yd. excav., 23.1 cu.yd. Class "A" concrete and 1,330 lb. steel, .21 mi. Sect. 11A, 32 ft. wide, 3,236 cu.yd. excav., 33.7 cu.yd. Class "A" concrete and 2,572 lb. steel, all in Bureau Co.; Monmouth-Galesburg Highway, Federal Aid Project 21, .9 mi. Sect. 2A, Warren Co., 19 and 30 ft. wide, 31,662 cu.yd. excav.; Kankakee-Dixie Highway, Federal Aid Project 22, .32 mi. Sect. 1A, Kankakee Co., 32 ft. wide, 575 cu.yd. excav., 31.2 cu.yd. Class "A" concrete and 1,913 lb. steel; Vandalia-Cairo Highway, Federal Aid Project 14, 3.09 mi. Sect. 3A, Jackson Co., 30 ft. wide, 25,000 cu.yd. excav., 207.1 cu.yd. Class "A" concrete, 12,700 lb. steel and 303 bbl. cement, 3.92 mi. Sect. 23A, Fayette Co., 32 ft. wide, 305,226 cu.yd. excav., 270.7 cu.yd. Class "A" concrete and 375 bbl. cement; Natl. Highway, Federal Aid Project 9, 1.64 mi. Sect. N, Fayette Co., 32 ft. wide, 46,443 cu.yd. excav., 30.4 cu.yd. Class "A" concrete, 875 bbl. steel and 45 bbl. cement.

Minn., Austin—Until Aug. 26, by Mower Co., improving 6 mi. Federal Aid Project 38, State Rd. 1, involving 8,400 cu.yd. graveling, etc. About $25,000. J. A. Myran, Slayton, engr.

Minn., Fergus Falls—Until Sept. 14, by Otter Tail Co., graveling 11,667 cu.yd. Federal Aid Project 159, also 10,135 cu.yd. Federal Aid Project 160, both 24 ft. wide. About $30,000 and $26,000 respectively. A. L. Flygare, Fergus Falls, engr.

Minn., Richfield (Minneapolis P. O.)—Until Aug. 30, by J. G. Goodspeed, town clk., 6600 Lyndale Ave., S., Minneapolis, laying sidewalks, curbs and gutters on south side of Diamond Lake Rd. from Lyndale Ave. east to Nicollet Ave. and north side from Nicollet Ave. west to intersection of village and city limits. About $25,000.

Minn., Shakopee—Until Sept. 10, by Scott Co., building 7 mi. Federal Aid Project 93, State Rd. 9, involving 6 acres clearing, 4 acres grubbing, 181,400 cu.yd. excav., 418,000 cu.yd. overhaul, 1,200 lin.ft. port culverts, 11,500 cu.yd. gravel surface and 3[illegible] cu.yd. concrete culverts. About $55,000. D. Childs, Shakopee, engr.

Kan., Dodge City—Until Sept. 9, by Fo[illegible] Co., paving 10.425 mi. Santa Fe Trail, w[illegible] brick Project 14, with necessary bridg[illegible] and culverts. About $600,000. R. C. Ha[illegible] Dodge City, engr.

Kan., Garnett—Until Sept. 14, by And[illegible]son Co., grading, graveling and build[illegible] culverts on 7.597 mi. King of Trails Hig[illegible] way. About $240,000. J. C. Irons, Ga[illegible] nett, engr.

South Dakota—Until Aug. 31, by St[illegible] Highway Comn., Elk Point, grading, drai[illegible]ing and graveling 6.97 mi. Sioux Falls-El[illegible] Point-Sioux City Rd., Federal Aid Proje[illegible] 64, 36 ft. wide, Union Co., involving 9[illegible] cu.yd. structure and 58,018 cu.yd. excav[illegible], 8,735 yd. sta. overhaul, 598 lin.ft. corru[illegible]gated iron or concrete pipe culverts, [illegible] cu.yd. Class "A," 22 cu.yd. Class "B" and 35 cu.yd. Class "D" concrete, 11,076 lb. reinforcing and 20,504 lb. structural steel, 12,919 cu.yd. gravel surfacing and 1,292 cu.yd. clay binder; cost, $93,800; 10.93 mi. Elk Point-Beresford-Sioux Falls Rd., Federal Aid Project 66, 36 ft. wide, Union Co., involving 279 cu.yd. structure and 51,158 cu.yd. excav., 23,201 yd. sta. overhaul, 410 lin.ft. wooden guard rail, 1,394 lin.ft. concrete or corrugated iron pipe culverts, 138 cu.yd. Class "A" and 46 cu.yd. Class "B" concrete and 10,829 lb. reinforcing steel, etc. About $48,000. F. S. Peck, Pierre, state highway engr. Noted July 15.

S. D., Madison—Until Sept. 1, by city, paving Dist. 12, including Egan Ave., Dingman's Addition and Alley Dists. 2 and 3 in Blocks 4, 5, 8, 9, 15, 19, 20. Work involves 3,200 cu.yd. excav., 2,488 lin.ft. plain curbing, 2,488 lin.ft. comb curbing and guttering, 480 concrete headers, 480 steel corner bar, 9,570 sq.yd. surfacing, 1,090 cu.yd. grading and 3,273 sq.yd. concrete paving. About $45,000. C. A. Trimmer, Madison, engr.

Montana—Until Aug. 23, by State Highway Dept., Helena, building Federal Aid Project 121, Dawson Co., involving 3,164 cu.yd. excav., 25,300 sta. yd. overhaul, 16,691 sq.yd. paving, 51,470 lb. wire mesh, 13 c.i. rings and corners for catch basins, 10,501 cu.yd. Class "B" concrete, 1,008 lin.ft. 10 in. vitr. clay pipe, 2,071 cu.yd. washing coarse concrete, cost $80,000; Federal Aid Project 112, Fergus Co., 3,041 cu.yd. excav., 8,354 sq.yd. paving, 38,938 lb. reinforcing steel, 170 cu.yd. Class "A" and 405 cu.yd. Class "B" concrete in bridges, $40,000.

Ark., Eudora—Until Aug. 30, by Comrs. Sidewalk impvt. Dist. 2, building 82,910 sq.ft. concrete sidewalk on various streets. E. T. Cashion, secy.

Tex., Jourdanton—Until Sept. 3, by Comrs. Atascosa Co., grading, surfacing and building bridges and culverts on 13.47 mi. Highway 2 from Pleasanton to Bexar Co., 16 ft. wide, involving 10.3 mi. machine grading, 26,073 cu.yd. earth excav., 126,724 sq.yd. bituminous macadam, 31,624 cu.yd. gravel, 90,770 lb. structural and 53,810 lb. reinforcing steel, 112.3 cu.yd. Class "A" and 100.3 cu.yd. Class "B" concrete. About $285,740. Lone Star Eng. Co., Natl. Bank of Commerce, San Antonio, engrs. Noted May 20.

Tex., Sinton—Until Aug. 26, by J. C. Houts, judge San Patricio Co., grading, surfacing and draining 15.577 mi. Highway 9, Rd. Dist. 1, 16 ft. wide, also 12.04 mi. Highway 9, Rd. Dist. 5, 16 ft. wide. About $157,844 and $191,549 respectively. A. C. Pancoast, Beeville, engr. Noted June 24.

Tex., Texarkana—Until Aug. 23, by W. H. James, secy., paving State Line Ave., Pine, Maple, 3rd and 7th Sts., involving 60,000 cu.yd. asphaltic concrete on concrete base, or brick on concrete and gravel base. O. Yenglin, city engr.

Oregon—Until Aug. 24, by State Highway Comn., Salem, surfacing 6.3 mi. Oregon City-Oswego Sect. Pacific Highway, involving 11,200 cu.yd. broken stone or gravel; 15 mi. John Day River-Blalock Sect. Columbia River Highway, 32,000 cu.yd. broken stone; 4.55 mi. Cole Bridge Danby Ranch Sect. John Day River Highway, 10,800 cu.yd. gravel; 9.36 mi. Butte Creek Sect. John Day River Highway, 15,000 cu.yd. broken stone 1,200 cu.yd. pitrun Rhyolite, etc.; 4.94 mi. McMinnville-West Dayton Sect. West Side Highway, 8,500 cu.yd. run of bank gravel; 7.9 mi. Yamhill-Gaston Sect. Tualatin Valley Highway, 13,600 cu.yd. run of bank gravel; grading and surfacing 7.86 mi. Haines North Powder Sect. Old Oregon Trail, 63,000 cu.yd. excav., 17,300 cu.yd. crushed gravel. H. Nunn, state highway engr.

Streets and Roads (Continued)

N. S., Amherst—Until Aug. 24, by Dept. Pub. Wks., Ottawa, Ont., grading, paving, etc., at Drill Hall, involving concrete curbing and guttering, mastic flooring, waterproofing, etc. About $27,000. R. C. Wright, Dept. Pub. Wks., Ottawa, engr.

Que., Montreal—Until Aug. 23, by Administrative Comn., paving Messier St. and building sidewalks on Fabre, Monkland, Marquette and Old Orchard Sts. R. Hauset, clk.

Que., Valleyfield—Until Sept. 1, by L. Boyer, town clk. paving 1.255 mi. Victoria and Fabrique Sts., bituminous. Dept. Rds., Quebec, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Massachusetts**—State Highway Dept., State House, Boston, let contract paving 3,500 ft. highway in West Springfield, Hampden Co., concrete, to Middlesex Constr. Co., 79 Hillside Rd., Medford, $29,969; 3,050 ft. highway in Westwood, Norfolk Co., bituminous macadam, to A. J. Mitchell, Boone St., Cohasset, $15,414.

★**Mass., Dorchester** (Boston P. O.)—City let contract laying granite block pavement on Dudley St. from Alexander to Stoughton Sts., to De Stofano Bros., 8 Everett St., East Boston (Boston P. O.), $28,812. Noted Aug. 5.

★**Rhode Island**—State Bd. Pub. Rds., State House, Providence, let contract building 2 mi. Mineral Springs Ave., North Providence, involving 5,800 gal. asphalt, 180 cu.yd. masonry concrete, 150 cu.yd. stone masonry, 1,350 sq.yd. cobble gutters, 11,500 cu.yd. earth and 2,500 cu.yd. rock excav., 4,550 cu.yd. stone and 1,260 cu.yd. gravel foundations, 1,400 lin.ft. pipe culverts, 6,000 tons crushed stone, etc., to J. McCormick, Newport, $95,937. Noted July 29.

★**R. I., West Warwick**—City let contract repaving 3½ mi. West Warwick Highway, waterbound macadam, to T. J. Quinn & Son, Ashton. About $35,000.

★**Connecticut**—State Highway Dept., Hartford, let contract building 11,400 ft. 3 in native stone macadam over 7 in. broken stone, Columbia-Vernon Highway, to Linberg & Street, 294 Washington St., Boston. About $100,000. Noted July 29.

★**Connecticut**—C. J. Bennett, state highway comr., Hartford, let contract building 3,650 ft. highway through Columbia Twp., to Linberg & Street, 294 Washington St., Boston, cost $25,000; 25 lin.ft., Brooklyn and Hampton Twps. to J. Arborio, 80 Park St., New Haven, $200,000; 5,560 ft. Cooks Hill Rd., New Fairfield, to J. De Michael & Bros., 58 High St., Torrington. Noted July 29.

★**Conn., West Haven** (New Haven P. O.)—Bd. Selectmen let contract paving various streets involving 10,500 sq.yd. sheet asphalt on 6 in. concrete base, to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $4.88 per sq.yd.; also with 8 in. bituminous macadam Bermudez and Natl. pavement on 6 in. concrete base, to Connecticut Natl. Pavements, Inc., Church St., New Haven, $40,000.

New York—F. S. Greene, state highway comr., Capitol, Albany, received bids Aug. 10, improving Rd. 432, Dutchess Co., from Kennedy Constr. Co., Albany, $83,935, Rosoff Eng. Co., Inc., 15 Park Row, New York City, $85,655, T. J. Martin, Beacon, $86,670; Rd. 931, Oneida Co., from McCarthy & Rock, Winthrop, $39,519; 0.22 mi. Rd. 1359, Onondaga Co., from M. H. Ripton, Rochester, $7,172, Onondaga Town Bd., Syracuse, $7,172; 0.86 mi. Rd. 5660, Onondaga Co., from J. Johnson Constr. Co., Buffalo, $87,221; 1.63 mi. Rd. 5653, Wayne Co., from F. H. Wells, Savannah, $84,894; Rd. 5334-A, Schuyler and Yates Counties, from W. Hazard, Ithaca, $8,293, J. W. Gurnett, Watkins, $8,933; Rd. 601, Cattaraugus Co., from Forness & Fote Co., Olean, $58,730, Bunce & Carll, Olean, $58,932. Noted Aug. 5.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., received bids Aug. 13, regulating and repaving with granite block, (a) State St. from Whitehall St. to Battery Pl., (b) Prince St. from Wooster St. to West Bway., (c) East 39th St. from 1st to 3rd Aves., (d) 122nd St. from Amsterdam Ave. to Riverside Dr., (e) with asphalt block 179th St. from Amsterdam Ave. to Bway., (f) 182nd St. from Amsterdam to Wadsworth Aves, (g) 182nd St. from Wadsworth Ave. to Bway., (h) with sheet asphalt 179th St. from Amsterdam Ave. to Bway., (i) 182nd St. from Amsterdam to Wadsworth Aves., (j) altering and improving extension to outlet sewer at foot of East 122nd St. and Harlem River, from C. Hellbock, 633 Wales Ave., (a) $19,075, (c) $46,101; W. J. Fitzgerald, 547 West 45th St., (a) $22,415, (b) $15,308, (c) $49,242, (d) $62,428; P. J. Kearns Contg. Co., 2306 Creston Ave., (b) $16,376, (c) $48,761, (d) $61,782, (j) $8,008; Burnside Contg. Co., 270 Burnside Ave., (c) $47,624, (d) $61,294, (h) $36,065, (i) $29,155; Hastings Pavement Co., 25 Broad St., (c) $39,329, (f) $31,494, (g) $6,615; Davney Asphalt Co., 177th St. and Westchester Creek, (h) $35,309; (i) $28,531; Asphalt Constr. Co., 2197 Madison Ave., (h) $36,762, (i) $30,241; P. F. Reilly, (j) $7,302; J. E. Buckley, (j) $7,544. Noted Aug. 5.

N. Y., New York—H. Bruckner, pres. Bronx Boro., received bids Aug. 10, repaving (a) 3rd Ave., (b) 149th St., (c) Creston Ave., (d) East 167th St., from Leonard Paving Co., 233 Bway., (a) $190,089; Astoria Contg. Co., (a) $199,514; Burnside Contg. Co., 270 Burnside Ave., (a) $197,905, (b) $36,771; S. Davis, (b) $36,405; C. Hellbock, 633 Wales Ave., (a) $201,624, (b) $37,242; J. L. Brusstar, Harlem River and 150th St., (c) $49,728, (d) $15,719; Asphalt Constr. Co., 2197 Madison Ave., (a) $208,655, (c) $50,682, (d) $16,241; Davney Asphalt Paving Co., 177th St. and Westchester Creek, (c) $51,261, (d) $16,124. Noted Aug. 5.

★**N. Y., New York**—City let contract building flooring on north footwalk of Williamsburg Bridge to Diaz Constr. Co., New York City, $37,719. Noted Aug. 5.

N. J., Gibbstown—Greenwich Twp. received bids July 30, furnishing labor and material paving Repauno Ave., involving 1,893 sq.yd. rein.-con., etc., from W. J. Lowe, 2218 Chestnut St., Phila., at $5.50 psd sq.yd.; A. F. Jordan & Co., Camden, $5.85; Hill Constr. Co., Phila., $7.40. Noted July 22.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract grading and draining 1.99 mi. highway from Friendville toward Love, Garrett Co., Contr. 485, to J. M Cain, 1024 North Charles St., Baltimore, $39,055; building .22 mi. of highway through Frederick, known as Patrick St., Contr. F-37, to M. J. Grove Lime Co., Lime Kiln, Md., $14,805. Noted July 29 and Aug. 5.

★**W. Va., Berkeley Springs**—Comrs. Morgan Co. let contract paving 3,000 ft. Berkeley Springs-Hancock Rd., concrete, to Simms & Torrington, Lincoln Bldg., Phila., $30,442. Noted Aug. 5.

★**W. Va., Logan**—Comrs. Logan Co. let contract grading and draining 3.7 mi. Logan-Lincoln Rd., involving 546 cu.yd. concrete, 696 lin.ft. 15 in. rein.-con. and 130 lin.ft. 18 in. vitr. clay pipe, 100 cu.yd. dry rubble, 2,400 cu.yd. borrow and 54,000 cu.yd. earth excav., to C. E. Price, Huntington, $86,539. Noted July 22.

★**Ky., Louisa**—City let contract paving and building storm sewers on 3 mi. Main, Madison, Court, Water, Pike, Lock and Jefferson Sts., about 24 ft. wide, involving 36,000 sq.yd. Kentucky rock, asphalt on 6 in. macadamized base, 30,000 lin.ft. concrete curbing and guttering, and 13,000 cu. yd. earth excav., to J. Richmond, Louisa, $182,000.

O., Cleveland—Bd. Comrs. Cuyahoga Co. received bids Aug. 4, grading, draining, curbing and paving Bway. 2 from East 55th St. to Osage Ave., involving 17,400 sq.yd. granite block on 3,000 cu.yd. 6 in. concrete base, 5,000 lin.ft. stone curbing, 17,950 cu.yd. earth excav., 17,400 ft. 4 in. sewer pipe, also Bway. 3 from Osage to Wiles Aves., 15,400 sq.yd. granite block on 2,600 cu.yd. 6 in. concrete base, 3,900 lin. ft. stone curbing, 16,800 cu.yd. earth excav., 9,750 ft. 4 in. sewer pipe, from McHugh Bros., 3873 West 37th St., $211,550 and $191,632 respectively.

O., Cleveland Heights (Warrensville, P. O.)—Village received bids grading, draining, curbing and paving (a) Briarwood Rd. from Kensington to Cedar Rds., (b) Canterbury Rd. from North Woodland to East Scarborough Rds., (c) Colchester Rd. from Demington Drive to Coventry Rd., (d) Cottagegrove Drive from Kensington to Cedar Rds., (e) East Derbyshire Rd. from Lamberton Rd. to Cottagegrove Drive, (f) Edgewood Rd. from Meadowbrook Blvd. to Cedar Rd., involving 19,600 sq.yd. asphalt on 176,400 sq.ft. 6 in. concrete base, 14,340 lin.ft. stone curbing, 6,700 cu.yd. earth excav., 14,340 lin.ft. 4 in. tile guttering, also (g) Kensington Rd. from Westminster to Lee Rds., (h) Kerwood Rd. from Clarkson Rd. to Meadowbrook Blvd., (i) Manlewood Ave. from Kensington to Cedar Rds., (j) Oakdale Rd. from Kensington to Cedar Rds., (k) Princeton Rd. from North Woodland to East Scarborough Rds., (l) Taylor Rd. from North Woodland to East Scarborough Rds., 32,650 sq.yd. asphalt on 293,750 sq.ft. 6 in concrete base, 23,700 lin.ft each stone curbing and 4 in. tile guttering, 10,500 cu.yd. earth excav., from Genl. Paving Co., Marshal Bldg., Cleveland, (a) $19,739, (b) $47,820, (c) $13,747, (d) $19,742, (e) $31,608, (f) $15,057, (g) $46,348, (h) $9,560, (i) $19,739, (j) $19,739, (k) $47,283, (l) $48,964; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (a) $19,965, (b) $16,385, (c) $13,610, (d) $19,969, (e) $30,449, (f) $15,231, (g) $46,756, (h) $9,773, (i) $19,949, (j) $19,969, (k) $45,903, (l) $47,500.

O., Cleveland Heights (Warrensville P. O.)—Village received bids grading, draining, curbing and paving (a) Wood Rd. from Crest Rd. to Crest Drive, (b) Maple Rd. from Mayfield to Wood Rds. (c) Glenwood Ave. from Cleveland Heights Blvd. to Noble Rd., involving 20,900 sq.yd. 2 in. asphalt, 14,250 lin.ft. each stone curbing and tile guttering, 5,600 cu.yd. earth excav., 188,100 sq.ft. 6 in. concrete base; (d) Caledonia Ave. from Taylor Rd. to village limits, 7,900 sq.yd. asphalt, 6,300 cu.yd. earth excav., 4,800 lin.ft. each stone curbing and tile guttering, 71,000 sq.ft. 6 in. concrete base, from Spence Bros., Woodhill Rd., Cleveland, (a) $45,862, (b) $43,941, (c) $28,910; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (a) $50,911, (b) $48,612, (c) $33,032, (d) $53,148; Genl. Paving Co., Marshall Bldg., Cleveland, (a) $52,086, (b) $50,557, (c) $33,294, (d) $58,082; Lake Erie Paving Co., 915 Society for Savings Bldg., Cleveland, (d) $49,266.

★**O., St. Clairsville**—Belmont Co. let contract paving 2 mi. Flushing-Uniontown Rd., concrete, to McClain Constr. Co., Bellaire, $78,000; 2.5 mi. Martins Ferry-Colerain Rd., brick, to Clifford & Shannafelt, Bellaire, $110,000. Noted July 29.

★**O., Wadsworth**—City let contract paving 3,200 ft. Northhampton Ave. to Columbus Asphalt Paving Co., 288 East 16th Ave., Columbus. About $68,000.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 1.192 mi. State Trunk Line Rd. 27-2, Port Huron, involving 13,934 sq.yd. concrete and 3,790 cu.yd. excav., etc., to J. H. Baker & Sons, Port Huron, $56,877. Noted July 29.

★**Mich., Harrisville**—Alcona Co. let contract grading, surfacing and draining 5.938 mi. Federal Aid Rd. 33, Sect. A, involving 62,434 sq.yd. gravel, 930 lin.ft. pipe culverts, 419 cu.yd. concrete in culverts, etc., 175 lin.ft. guard to Hill & Lonte, Whittemore, $103,145.

★**Illinois**—State Highway Dept., Springfield, let contracts grading Federal Aid Project 14, Sect. 9A, Jackson Co., to M. Hayes & Sons, Janesville, Wis., $17,379; Federal Aid Project 16, Sect. 15A, Jefferson Co., Sect. 16A, Jefferson and Wayne Counties, Sect. 18A, Wayne Co., to Cameron, Joyce & Co., 17 South 7th St., Keokuk, Ia., $183,802; Federal Aid Project 17, Sects. 1 and 2, Adams Co., to Buis & Olson, 116 North 8th St., St. Joseph, Mo., $189,000; Federal Aid Project 19, Sects. 18A and 19A, Stephenson Co., to Keokuk Quarry & Constr. Co., Keokuk, Ia., $37,444. Noted Aug. 5.

★**Illinois**—State Highway Dept., Springfield, let contracts paving state highway, Sect. B, Mason Co., concrete, to Miller & Comstock, Peoria, $13,090; Sect. I, Shelby Co., concrete, to A. C. Loomis Co., Mattoon, $20,001; Sect. I, Greene Co., earth, to J. Brogen, Carrollton, $7,351. Noted Aug. 5.

Wis., Milwaukee—Bd. Pub. Wks. received bids Aug. 6, paving (1) Atkinson Ave. from Green Bay Ave. to 11th St., involving 4,816 sq.ft. cement sidewalks, (2) Cawker Pl. from 30th St. to railroad tracks, 1,281 sq.yd. granite block pavement on 8 in. concrete foundation, etc., (3) Humboldt Ave. from Keefe to Lake Sts., 15,037 cu.yd. grading, (4) Locust St. from 39th St. south, 2,156 cu.yd. grading, (5) Marshall St. from Michigan to Wisconsin Sts., 1,580 sq.yd. sheet asphalt pavement, etc., (6) 7th St. from Green Bay Ave. to Lake St., 10,112 cu.yd. grading, (7) Sherman Blvd. from Center to Burleigh Sts. 35,181 cu.yd. grading, (8) Wisconsin St. from Marshall St. to railroad, 1,875 sq.yd. sheet asphalt, etc., (9) alley between 13th, 14th, Cedar and State Sts., 854 sq.yd. cement concrete pavement, (10) alley between 28th, 29th, Lisbon and Vine Sts., 821 sq.yd. cement concrete, (11) alley between 32nd, 33rd, Galena and Walnut Sts., 942 sq.yd. cement concrete, (12) alley between 32nd, 33rd, Cherry and Galena Sts., 733 sq.yd. cement concrete, (13) alley between 35th, 37th, Vliet and Cherry Sts. 312 sq.yd. cement concrete, (14) alley be

Streets and Roads (Continued)

tween 20th, 21st, Locust and Chambers Sts., 1,060 sq.yd. cement concrete, (15) alley between 24th, West 24th, Locust and Chambers Sts., 1,083 sq.yd. cement concrete, (16) alley between West 24th, 25th, Hadley and Locust Sts., 1,536 sq.yd. cement concrete, (17) alley between 25th, 26th, Burleigh and Auer Sts., 1,771 sq.yd. cement concrete, (18) alley between 29th, 30th, Chambers and Burleigh Sts., 1,427 sq.yd. cement concrete, (19) alley between 47th, 48th, North and Meinecke Sts., 1,505 sq.yd. cement concrete, from F. Banaszak, 1335 4th Ave., (1) $0.29 per sq.ft., (9) $2.45; M. Switalski, 765 5th Ave., (2) $6; Manger Constr. Co., 332 Layton Blvd., (3) $0.76; F. Doherty, 753 47th St., (4) $0.63, (7) $0.67; White Constr. Co., 425 East Water St., (5) $3.90, (8) $3.90; Froemming & Radtke, 1288 Humboldt St., (6) $0.60; O. Bodemann, 801 Winnebago St., (10) $2.45, (12) $2.45, (14) $2.54, (15) $2.45, (19) $2.40; A. J. Koehn, 811 6th St., (11) $2.30; Retzlaff, Froemming & Bluhm, 948 4th St., (13) $2.56, (16) $2.48, (17) $2.48, (18) $2.48.

★**Minn., Eveleth**—City let contract improving 6 blocks of Cleveland and Garfield Sts. and various alleys, involving 7,000 sq.yd. bitulithic and 2,800 lin.ft. concrete curbing, to E. C. McCann Co., Eveleth, $45,864.

★**Minn., Faribault**—Rice Co. let contract paving Jefferson Highway through Northfield, 1 course gravel concrete, to Leonard-Utton Co., Rochester. About $60,000.

★**Minn., Fond du Lac**—St. Louis Co. (Duluth) let contract filling, grading and surfacing Fond du Lac and Carlton Rd., also building approaches to Fond du Lac Bridge, to Foley Bros. and Nelson, 209 Giffillan Bldg., St. Paul, $75,720.

Neb., Omaha—City received low bid paving 2 mi. of St. Marys Ave., vitr. brick, from J. H. McDonald, 3169 Farnam St., at $5.94 per sq.yd.

★**Neb., Omaha**—City let contract grading, paving and tearing up sidewalks on St. Marys Ave., to Callahan & Walker, 410 Bee Bldg., at $0.84 per cu.yd.

South Dakota—State Highway Comn., Pierre, received bids Aug. 4, grading and draining 11.69 mi. Ft. Pierre-Philip Rd., Federal Aid Project 14, 36 ft. wide, Stanley Co., from J. G. Jeffries, Hopewell, $74,306; Stevens Bros., St. Paul, Minn., $86,418. Noted July 22.

★**South Dakota**—State Highway Comn., Chamberlain, let contract grading and draining 9.1 mi. Chamberlain-Plankinton Rd., Federal Aid Project 30, 36 ft. wide, Brule Co., to G. L. Smith, Lingle, Wyo., $56,143. Noted July 22.

★**South Dakota**—State Highway Comn., Pierre, let contract grading and draining 14.76 mi. Watertown-Hayti Rd., Federal Aid Project 46, 36 ft. wide, Hamlin Co., to W. R. Shipmann Const. Co., Sioux City, Ia., $78,619; 12.94 mi. Gettysburg-Faulkton Rd., Federal Aid Project 37, 36 ft. wide, Potter and Faulk Counties, to Bd. Comrs. Potter Co., Gettysburg, $57,846. Noted July 22.

South Dakota—State Highway Comn., Chamberlain, received bids Aug. 3, grading and draining 6.58 mi. Presho-Winner Rd., Federal Aid Project 27, 36 ft. wide, Lymann and Tripp Counties, from S. L. Smith, Lingle, Wyo., 61,048; grading, draining and building bridge on 8.47 mi. Chamberlain-Presho Rd., Federal Aid Project 49, 36 ft. wide, Lymann and Brule Counties, from D. D. Bidwell, Egan, S. D. $150,043; W. R. Shipman Constr. Co., Sioux City, Ia., $170,602; W. R. Grinnell, Dennison, Ia., $182,053. Noted July 22.

★**Wyoming**—State Highway Dept., Cheyenne, let contract grading 1.8 mi. Thayer Jct. West Rd., Federal Aid Project 97, Sweetwater Co., to Scott & Bussey, Rock Springs, $10,292; 12.5 mi. Newcastle-Sun Dance Rd., Federal Aid Project 27, Weston Co., to R. George, Rozet, $24,842; grading and paving with concrete, including construction of 8 rein.-con. box type culverts, on 4.2 mi. Saratoga-Encampment Rd., Federal Aid Project 98, Carbon Co., to Ferrey & Anderson, Cheyenne, $29,529; grading and installing 6 rein.-con. culverts on 3.75 mi. Torrington-Lusk Rd., Federal Aid Project 96, Goshen Co., to S. L. Smith, Henry, Neb., $14,406; building 60 ft. Dry Creek Bridge, concrete and steel, on Federal Aid Project 94, Park Co., to Standfield & Alderdice, Basin, $18,828.

★**Mo., St. Louis**—City will remove present wearing surface and replace with asphaltic cement, 7th Ave. from Park to Choteau Aves. About $20,284. Work will be done by day labor. Noted July 22.

★**Mo., St. Louis**—City let contract covering old foundation course with asphaltic binder and asphaltic cement wearing surface, Lafayette Ave. from Waverly Pl. to Grand Ave., removing macadam base and paving with bitulithic. Marcus Ave from Labadie to Ashland Aves., removing present wearing surface and replacing with asphaltic cement, Lawton Ave. from Jefferson to Grand Aves., also Union Blvd. from Easton to St. Louis Aves., to O. S. Brighton, St. Louis. $47,815, $13,288, $28,752 and $46,867 respectively; covering old foundation course with asphaltic binder and asphaltic cement wearing surface, Maple Ave. from Hamilton to Hodimont Aves., removing present wearing surface and replacing with asphaltic cement Skinker Rd. from Forsyth to Delmar Blvds., to Granite Bituminous Paving Co., Ry. Exch. Bldg., $21,455 and $42,638 respectively. Noted July 22.

Tex., Angleton—Brazoria Co. received bids Aug. 9, grading, surfacing and building trestle bridge on 5.73 mi. Highway 36, Rd. Dist. 24, 16 and 24 ft. wide, from S. I. Stratton and M. Palmer, representing Rd. Dist. 24, $40,956; L. D. McKaughan, West Columbia, $41,905. Noted Aug. 12.

★**Tex., El Paso**—City let contract paving various streets, involving 11,572 sq.yd. Warranite bitulithic on 6 in. compressed stone foundation, to El Paso Bitulithic Co., Piedras St.

Tex., Groesbeck—Limeston Co. received bids Aug. 10, grading and surfacing 23.37 mi. Highway 14 from Navasota River south to Falls Co., 15 ft. wide, from Tibbetts Constr. Co., Mineral Wells, $120,090; Womack Constr. Co., Sherman, $120,874; Haden & Austin, 727 Kress Bldg., Houston, $126,887. Work involves 12.4 acres clearing and grubbing, 100,824 cu.yd. earth excav. borrow, 33,231 cu.yd. earth and 310 cu.yd. rock excav., 30,435 cu.yd. gravel or rock surfacing, etc. About $145,000. F. P. Holt, Groesbeck, co. engr. Noted Aug. 5.

★**Tex., San Augustine**—San Augustine Co. let contract grading, surfacing and draining 8.89 mi. Highway 8 from Sabine Co. line west, 16 ft. wide, to H. F. Bland, Center, $60,513; including 10 per cent for engineering and contingencies. Noted Aug. 12.

★**Colorado**—State Highway Comn., Denver, let contract paving .956 mi. road between Grand Jct. and Fruita, 18 ft. wide, Federal Aid Project 109, Mesa Co., concrete, to Winderburn & Mapes, Grand Jct., $24,259; grading, draining and building one 60 ft. span steel truss bridge on 1.357 mi. road between Steamboat Springs and Kremmling, Federal Aid Project 106, also 6.647 mi. Steamboat Springs-Hahns Peak Rd., Federal Aid Project 80, both 28 ft. wide, Routt Co., to Northwestern Constr. Co., Craig, $27,012 and $57,923 respectively. Noted July 29.

★**Ariz., Florence**—Pinal Co. Highway Comn. let contract building Sects. 2, 3 and 4, Casa Grand-Tucson Highway, to R. Toorey, Florence, $132,333. Work involves 131,666 cu.yd. unclassified excav., at $0.46 per cu.yd., 500 cu.yd. sta. overhaul, $0.10, 268 cu.yd. Class "A," 5.2 cu.yd. Class "B" and 351.8 cu.yd. Class "C" concrete, $37.50, $37.50 and $32 respectively, 29,307 lb. reinforcing steel, $0.12, 176 lin.ft. 24 in., 132 lin.ft. 30 in. and 22 lin.ft. 36 in. corrugated metal pipe, $1.25, $1.35 and $1.50 respectively, 21.4 cu.yd. Class "C" concrete for headwalls, $35, 531 cu.yd. Class "C" concrete for dip headwalls, $32, 100 cu.yd. dip concrete, $30, 3,161 cu.yd. rock ballast for dips, $37, 5 cattle guards, $500 each, 225 cu.yd. excav. for bridge piers, abutments, etc., $1, 400 cu.yd. excav. for ditches, drains, etc., $0.48, 1,000 cu.yd. excav. for earth levees, $0.48.

★**Washington**—State Highway Dept. Olympia, let contract surfacing with crushed rock 8.62 mi. Inland Empire Highway from Dodge to Delaney, Columbia and Garfield Counties, to Genl. Constr. Co., Peyton Bldg., Spokane, $36,704; clearing and draining 2.01 mi. State Rd. 4, Lincoln Co., to McKivor Bros., Ritzville, $39,760; clearing, grading, draining and surfacing with crushed rock 1.25 mi. North Bank Highway, Skamania Co., also grading connection for Underwood Bridge on North Bank Highway, Skamania east, Klickitat Co., to Rojotte, Fobert & Winters, Ziegler Bldg., Spokane, $36,620 and $55,900 respectively. Noted July 22.

★**Wash., Grandview**—City let contract paving various streets, involving 26,170 sq.yd. Warrenite bitulithic on 3 in. bituminous concrete base, to Yakima Paving Co., Yakima.

★**Wash., Seattle**—City let contract improving Minor Ave., N., et al, involving 3,300 cu.yd. earthwork and subgrading, 7,040 lin.ft. type "C" armored concrete curbing, 10,460 sq.yd. 7 in. concrete paving, to R. G. Stevenson, 1327 Ewing St., $54,442.

★**Wash., South Bend**—Pacific Co. let contract grading, sub-grading and paving 8,20 ft. Permanent Highway 8, involving 8,29 sq.yd. concrete, 1,284 cu.yd. earth and 2,28 cu.yd. subgrade excav., to McClean & Williams, Astoria, Ore., $44,283.

★**Cal., Lodi**—City let contract paving various streets, involving 6,914 sq.yd. Warrenite bitulithic on 2½ in. bituminous concrete base, to Clark & Henery, 38 South Sutter St., Stockton.

★**Cal., Modesto**—City let contract paving various streets, involving 4,806 sq.yd. Warrenite bitulithic on 4 in. Portland cement base, to Standard Paving Co., 9th and N Sts.

Railways

PROPOSED WORK

Maryland—Pennsylvania R.R., Broad St. Station, Phila., plans to enlarge yards at Canton (East Baltimore). About $350,000. G. M. Smith, Baltimore, supt.

North Carolina—Blue Ridge Development Co., Hickory, plans to build 150-200 mi. electric railway from Mt. Holly to Boone. J. D. Elliot, Hickory, pres.

BIDS DESIRED

Virgina—Until Aug. 27, by Griffith-Wagner Co., engrs, 704 Natl. Bank Bldg., Charlottesville, building 2,200 ft. spur track with 2 wood trestles, also laying rails and ties, at Proffit, for Ohio Sulphur Co., Inc.; advertised in this issue.

Excavation and Dredging

PROPOSED WORK

Ia., Sioux City—Ditch—Woodbury Co. rejected bids received Aug. 3 building Maple River Ditch in Maple River D. D. 1. W. M. Pritchard, co. aud. E. E. Carlson, Battle Creek, engr. Noted July 22.

Mo., Commerce—Channel—Scott Co. D. D. 10 had plans prepared by Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., for enlarging 21 mi. of channel near here with 32-53 ft. base work and involving 660,000 cu.yd. dragline, 987,000 cu.yd floating dredgework. About $500,000.

Ark., Lake Village—Ditch—Grand Lake D.D., Chicot Co., receives bids in about 6 weeks building 20 mi. open ditches, 8 ft. deep, 10-20 ft. wide at base. Work involves 10 wooden bridges, 40-50 ft. spans, 700 lin.ft. culvert pipe, 5,000 cu.yd. levee dams, 700,000 yd. floating dredging, etc. O. G. Baxter, Moore & Turner Bldg., Little Rock, engr.

Wash., Yakima—Irrigation—City having plans prepared for irrigation system, to provide east side with irrigation water, piped and under gravity flow. About $50,000. C. F. Wilson, Yakima, engr.

BIDS DESIRED

Ill., Raymond—Ditch—Until Aug. 28, by Comrs. D. D. 1, Montgomery Co., building Sect. 1 Main Ditch, Stations 0 to 75 plus 37 ft., involving 8,575 cu.yd. excav.; Main Ditch, Stations 75 plus 37 ft. to 94 plus 4 ft., 1,272 cu.yd. excav.; Sect. 2, Glover Branch, 1,048 cu.yd. excav.; Sect. 3, Moore Branch, 1,383 cu.yd. excav. J. W. Dappert, Raymond, engr.

Ia., Clinton—Ditch—Until Aug. 23, by Clinton Co., building ditches in D. D. 21, involving 15,415 ft. 8-20 in. tile, 15 manholes, etc. J. W. Strohm, co. aud.

Ia., Marengo—Drainage—Until Aug. 26, by A. H. Hunter, aud. Iowa Co., building D. D. 8, involving 457,600 cu.yd. excav., 13 ft. wide, 13 ft. deep and 54,300 ft. long. About $100,000.

S. D., Corsica—Until Sept. 10, by H. Henderson, aud. Douglas Co., Armour, building Voss Drainage Ditch, 9 mi. northeast of here; Garden Valley Drainage System, 3 mi. north of here; Mud Lake Drainage System, 7 mi. northwest of here. E. Henderson, deputy; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**D. C., Washington**—Excavation—Dist. Comrs. let contract excavating for foundation for New Eastern High School to G. W. Hyman, 116 Morse St., N.E. About $38,000. Noted Aug. 12 under "Buildings."

★**Wis., Milwaukee**—Excavation—Bd. Industrial Educ., Mfg. Home Bldg., let contract excavating 2d unit continuation school, 7 story, 145 x 268 ft., rein.-con. flooring, concrete and pile foundation, on 7th and

Excavation and Dredging (Continued)

Prairie Sts., to H. Wussow, 191 Concordia St. Work involves 11,000 cu.yd basement excav., at $1.30 per cu.yd., 4,000 cu.yd. sub-basement excav., $1.44. Noted July 29.

★**Ia., Estherville** — Excavation — Emmet Co. let contract cleaning out 20,100 ft. open ditch and 1 bulkhead, Joint D. D. 17, involving 26,180 cu.yd. excav. and 2,000 ft. 34 in. tile, to Clarke Constr. Co., Clinton.

★**Ia., Ft. Dodge**—Drainage—Webster Co. let contract building D. D. 4 to E. Johnson, Calendar; furnishing and laying tile for D. D. 311 to Lehigh Sewer Pipe & Tile Co., Ft. Dodge; furnishing labor, to C. Kramme, Ft. Dodge; D. D. 316, tile, to Humboldt Gravel & Tile Co., Humboldt, labor, to C. Kramme, Ft. Dodge. Noted July 29.

★**Ia., Garner**—Drainage—Hancock Co. let contract furnishing and laying 14,516 ft. 12-30 in. tile for building D. D. 105 to O. N. Gjellefald, Forest City.

★**Mo., Cape Girardeau**—Drainage—Little River D.D. let contract for 35,000 sq.yd. each willow mattress and rock slope paving revetment work in Cape Girardeau, Dunklin, Pemiscot and Bollinger Counties, to Kansas City Bridge Co., 1012 Baltimore Ave., Kansas City. About $175,000.

★**Wash., Olympia** — Excavation — Comrs. Thurston Co. let contract digging and dredging main line ditches for drainage system in Black Lake territory, to have 3 mi. canal, 6-16 ft. wide, to reclaim 1,800 acres of land, involving 2,000 yd. hard gravel excav., to E. J. Cheatham & Sons, E. 1019-11th St., Spokane, $46,425.

Industrial Works

PROPOSED WORK

Mass., Chelsea — S. S. Eisenburg, archt., Exch. Bldg., soon lets contract building 2 story, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on Ellsworth St. for M. Rosenthal, 64 Hawthorn St. About $75,000.

Mass., Greenfield—Greenfield Tap & Die Corp., Sanderson St., plans to build 5 story, rein.-con. addition to plant. Harris & Richards, Drexel Bldg., Phila., archts and engrs.

Mass., Turners Falls—Greenfield Tap & Die Corp., Sanderson St., Greenfield, plans to build 1 story addition to forge plant, brick and steel, concrete foundation, here. About $50,000. Private plans.

Mass., Worcester—Reed & Prince Mfg. Co., Duncan Ave., had plans prepared by J. D. Leland, archt., 185 Devonshire St., Boston, for 1 story, 30 x 65 ft. and 3 story, 62 x 118 ft. factory buildings, also 1 story, 60 x 110 ft. auditorium, brick, concrete and steel, concrete foundation. Cost between $150,000 and $200,000.

R. I., Providence—Waldorf Lunch Co., c/o J. M. Gray, archt., 112 Water St., Boston, soon lets contract building 1 story, concrete, brick and steel addition to bakery, rein.-con. flooring, concrete foundation, on Byron St. About $50,000.

N. J., Newark — Amer. Can Co., 120 Bway., New York City, plans to build rein.-con., brick and steel fatcory, rein.-con. flooring, concrete foundation, here. About $500,000. Private plans.

N. J., Newark—Williams Baking Co., 711 South 10th St., soon lets contract building 2 story, 50 x 125 ft. addition to bakery, brick and timber. About $100,000. J. T. Simpson, Essex Bldg., archt. Noted July 29.

Pa., Wilkes Barre—J. J. Becker, Market St., plans to build 1 story, 60 x 100 ft. ice cream factory, brick, rein.-con. flooring, concrete foundation, on Market and Gates Sts. About $100,000. Architect not selected.

Va., East Richmond (Richmond P. O.)—Jefferson Tire & Rubber Co., Central Bank Bldg., having plans prepared by Akron Eng. Co., Akron, O., for 3 story, 80 x 240 ft. factory. About $150,000.

S. C., Cateechee — Norris Cotton Mills having plans prepared by J. E. Sirrine & Co., archts., Greenville, for 3 story, 50 x 100 ft. warehouse, standard mill construction.

O., Cleveland—J. Spang Baking Co., 2711 Barber Ave., having plans prepared by E. Huberty, archt., 8017 Whitethorne Ave., for 3 story, 70 x 125 ft., rein.-con., brick and steel bakery, rein.-con. flooring, concrete foundation. About $100,000. J. Spang, pres.

Ill., Chicago—D. H. Hannan, engr., 155 North Clark St., soon lets contract building 2 story, 50 x 100 ft., steel and brick factory, concrete foundation, on Root and State Sts., for A. H. Weber, c/o engineer. About $57,000.

Wis., Campbellsport — White House Milk Products Co., West Bend, had plans prepared by M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, for 2 story, 50 x 110 ft. concentrating plant, also 1 story boiler house, brick, rein.-con. and steel, rein.-con. flooring, brick foundation, on Main St. About $75,000. Noted Aug. 5.

Wis., Marshfield—City plans to build addition to boiler house. J. Seubert, clk. Cahill & Douglad, 217 West Water St., Milwaukee, engrs.

Kan., Pittsburg—Pittsburg Builders & Pavers Brick Co. having plans prepared building rein.-con. and brick plant, rein.-con. flooring, brick foundation, to have 4 new kilns. About $60,000. Private plans.

Neb., Minatare—Great Western Sugar Co., Scotts Bluff, plans to build factory of 1,000 ton capacity, here.

Cal., San Francisco—Amer. Can Co., 120 Bway., New York City, plans to build rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, here. About $500,000. Private plans.

P. E. I., Charlottetown—R. Stewart & Co. soon receives bids building 60 x 120 ft. concrete and brick plant.

Que., Cookshire—East View Milling Co., soon receives bids building plant. About $150,000. R. H. Pope interested.

Que., Quebec — Standard Pulp & Paper Co., Ltd., plans to build plant. About $1,250,000. H. Bullock, Roxton Pond, interested. Architect not selected.

Man., Winnipeg—Dominion Oxygen Co. soon receives bids building plant. About $100,000.

BIDS DESIRED

N. Y., Mineola—C. L. Weir, engr., 1480 Bway., New York City, receiving bids building ice storehouse, here, for Knickerbocker Ice Co., 65 Flatbush Ave., Brooklyn. About $75,000.

N. Y., Ossining—Until Sept. 15, by C. F. Rattigan, supt. State Prisons, Capitol, Albany, for building, heating, sanitary and electric work for addition to power house, at State Prison, here. L. F. Pilcher, Capitol Albany, state archt.; advertised in this issue.

N. J., Homestead — Andrews, Tower & Lavalee, archts. and engrs., 33 Lyman St., Springfield, Mass., receiving bids building 5 story, 85 x 205 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, for Amer. Chocolate Products Co., 206 Bway, New York City. About $350,000.

La., New Orleans—Until Aug. 31, by Bd. Port Comrs., furnishing or furnishing and erecting all structural steel required for Poydras St freight shed side extension; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Dover**—Natl. Woodworking Mach. Co., Bway., let contract building 50 x 100 ft. foundry, 35 x 200 ft. machine shop and 40 x 100 ft. pattern shop, all 1 story concrete and steel, concrete flooring and foundation, on Locust St., to Chesley & Co., 11 Middle St. About $125,000.

★**N. H., Peterboro**—Peterboro Co. let contract building 1 story, 200 x 225 ft., brick and frame plant, concrete flooring and foundation, to Osgood Constr. Co., 25 East Hollis St., Nashua. About $125,000.

★**Mass., Boston**—W. F. Schrafft & Sons Corp., 160 Washington St., N., let contract building 3 story, 80 x 240 ft., rein.-con. and steel plant, rein.-con. flooring, concrete foundation, on Causeway St., to W. M. Bailey Co., 88 Broad St. About $250,000. Noted July 22.

★**Mass., Cambridge**—Standard Oil Co. of New York, 50 Congress St., Boston, let contract building 5 story, 120 x 140 ft., rein.-con. and terra cotta garage and repair shop, rein.-con. flooring, concrete foundation, on Munroe St. here to S. C. Sperry Co., 300 Main St. About $275,000.

★**Mass., Cambridge**—Suffolk Engraving & Electrotyping Co., 394 Atlantic Ave., Boston, let contract building 6 story, 100 x 100 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Main St., here, to Simpson Bros. Corp., 166 Devonshire St., Boston. About $225,000. Noted July 22.

★**Mass., Quincy**—Bethlehem Shipbuilding Corp., Fore River, let contract building 1 story, 22 x 35 ft. addition to power house, also 2 story, 40 x 100 ft. central house, at Fore River to Aberthaw Constr. Co., 27 School St., Boston. About $75,000.

★**Mass., Springfield** — Pabco Flour Mills, Inc., 52 Bliss St., let contract building 3 story, rein.-con. and steel mill, rein.-con. flooring, concrete foundation, on Margaret St., to J. G. Roy & Sons Co., 21 Silver St. About $50,000. Noted June 3.

★**Mass., Williamansett** (Holyoke P.O.)—Rauch & Lang, Inc., let contract building 1 story, 300 x 325 ft., brick, concrete and steel factory, rein.-con. flooring, concrete foundation, on Meadow St., to P. J. Kennedy & Co., Inc., 464 Maple St., Holyoke. About $300,000.

★**Conn., Bridgeport**—A. Aldo, 1699 Madison Ave., will build 1 story, 100 x 110 ft., brick and steel garage, concrete flooring, on North Ave. and Sedgwick St. About $50,000. Work will be done by day labor. Noted Aug. 5.

★**Conn., Montville** — R. Gair & Co., 50 Washington St., Brooklyn, let contract building 2 story, 200 x 500 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, also 1 story, 50 x 50 ft. power plant, here, to Austin Co., 217 Bway., New York City. About $600,000.

★**Conn., New Britain**—Landers, Frary & Clark, Commercial St., will build 3 story, 60 x 210 ft., brick and steel addition to factory, concrete foundation, on Ellis St. About $115,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Brooklyn Edison Co., 360 Pearl St., will build 1 story, brick and steel sub station, concrete foundation, on Grand Ave. About $100,000. Work will be done by day labor under supervision of W. Whitehall, archt., 12 Elm St., New York City. Noted May 13.

★**N. Y., Brooklyn**—Kalman Constr. Co., 1779 Pitkin Ave., will build 1 story, 100 x 150 ft., rein.-con., steel and brick garage, rein.-con flooring, concrete foundation, on Ave. J. About $300,000. Work will be done by day labor.

★**N. Y., Brooklyn**—P. E. Meyer, 54 Rochester Ave., will build 3 story, 25 x 75 ft, brick and steel garage, rein.-con. flooring, concrete foundation, on Atlantic Ave. About $60,000. Work will be done by day labor.

★**N. Y., New York**—New York Edison Co., Irving Pl. and 15th St., will build 1 story, rein.-con. and steel sub-station, on Cedar St. About $75,000. Work will be done by day labor under supervision of W. Whitehill, archt., 12 Elm St. Noted April 22.

★**N. Y., New York**—Welrich Constr. Co., c/o P. Steigman, archt., 690 Bway., will build 2 story, 100 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Barretto St. About $65,000. Work will be done by day labor.

★**N. Y., Yonkers**—Yonkers Electric Light & Power Co. let contract building brick, concrete and steel substation, rein.-con. flooring, concrete foundation, on Dunwoodie Ave., to Fitzpatrick & McArthur, Yonkers. About $150,000. Noted June 24.

★**N. J., Newark**—Clark Thread Co., Clark and Ogden Sts., let contract building 4 story, 82 x 300 ft. and 5 story, 60 x 200 ft. additions to factory, concrete and brick, to J. W. Ferguson, United Bank Bldg., Paterson. Noted June 24.

★**Pa., New Castle**—Johnson Bronze Co., South Mill St., let contract constructing 52 x 68 ft. core building, 32 x 62 ft. machine shop, both 2 story, also 1 story, 68 x 101 ft. foundry, brick and steel, rein.-con. flooring, brick foundation, to Moore-Lamb Co., Stambaugh Bldg., Youngstown, O. About $125,000. Noted Aug. 5.

★**Pa., Phila**—Taylor Wharton Iron & Steel Co., 25th and Washington Sts., let contract building 1 story, 90 x 100 ft. addition to machine shop, brick and steel, on 51st and Grays Sts., to Hughes-Foulkrod Co., Commonwealth Trust Bldg.

★**Md., Baltimore**—Natl. Bldg. Supply Co., North Ave. and Oak St., let contract building 1 story, 60 x 210 ft. frame warehouse, stone and concrete foundation, on Garrison Lane, also 250 ft. railroad siding, to J. H. Smith, 1426 Light St. About $150,000.

★**Ala., Mobile**—Kelly Dry Dock & Shipbuilding Co., Commerce St., will build 1 story, 75 x 150 ft., machine shop, rein.-con., brick and steel, rein.-con. flooring, on Blakely Island. About $150,000. Work will be done by day labor.

★**La., New Orleans**—Union Paper Products Co., 109 Tchoupitoulas St., let contract building 1 story, brick and steel factory, to J. Fromherz, 302 Title Guarantee Bldg., $112,743. Noted July 29.

★**Tenn., South Memphis** (Memphis, P. O.)—Memphis Terminal Corp., Central Bank Bldg., let contract building 1 story, 300 x 600 ft. concrete and timber warehouse here to F. B. Young & Son, Bank of Commerce Bldg., Memphis. About $100,000.

★**O., Canton** — Bowman Bros. Drug Co., 3d and Court Sts., N.W., let contract building 2 story, 90 x 140 ft., brick and concrete warehouse on Schroyer Ave., S.W., to Van Orman Bros., Canton. About $60,000

Industrial Works (Continued)

★**O., Cleveland**—Kaynee Co., Aetna Rd. and Bway., let contract building 1 story, 60 x 180 ft. box factory and garage, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to J. Hurby, 4123 East 131st St. About $75,000. Noted Aug. 12.

O., East Cleveland (Cleveland P. O.)—Bd. Educ. received bids July 30 for general contract building 1 story, 48 x 66 ft. heating plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at Prospect School, from D. Miller Co., 4500 Euclid Ave., Cleveland, $56,900; C. Peterson Co., 4500 Euclid Ave., Cleveland, $63,500; Tenbusch Parker Constr. Co., 1836 Euclid Ave., Cleveland, $63,696. Noted July 22.

★**Ind., Indianapolis**—E. W. Steinhart Co., 11th and Meridian Sts., let contract building 5 story, 110 x 130 ft., service and sales, rein.-con., brick, steel and terra cotta, on North Meridian St., to State Constr. Co., Pythian Bldg. Abut $400,000.

★**Ill., East St. Louis**—Darling & Co., 4201 South Ashland Ave., Chicago, let contract constructing fertilizer plant here, to include 60 x 83 ft. storage building, 50 x 80 ft. acidulation plant, 30 x 40 ft. garage, all 1 story, brick and steel, also 1 story, 134 x 300 ft. main building, steel and concrete, 2 story, 40 x 70 ft., brick and timber office, and several concrete storage tanks, to Austin Co., 208 South La Salle St., Chicago. About $500,000.

★**Ill., Melrose Park**—Heppes-Nelson Roofing Co., 4500 Filmore St., Chicago, let contract constructing 50 x 200 ft. storage and 100 x 320 ft. finish buildings, 50 x 60 ft. boiler house, 80 x 140 ft still and gas building, 60 x 100 ft. garage, all 1 story, brick and steel, also 100 x 350 ft. rein.-con. and steel machinery building, 33 x 100 ft. brick and steel train shed, etc., to Austin Co., 208 South La Salle St., Chicago. About 400,000.

★**Wis., Grafton**—Jungers Stove & Range Co. will build 3 story, 61 x 105 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Main St. About 50,000. Work will be done by day labor. Steel contract let to Robertson & Jackson, 1415 Majestic Bldg., Milwaukee.

★**Wis., West Allis**—Nelson Pulley Co., 857 27th St., Milwaukee, will build 1 story, 60 x 120 ft. machine shop and foundry, concrete and mill construction, concrete flooring and foundation, on 77th Ave. Work will be done by day labor.

★**N. D., Valley City**—City let contract building 2 story, 80 x 89 ft. power plant, brick, to McManis & Tarnoski, 484 Endicott Bldg., St. Paul, Minn. About $60,000.

★**Mo., Kansas City**—Kansas City Light & Power Co., 3rd and Lydia Sts., let general contract building 2 story, 46 x 57 ft. substation, rein.-con., to Fogel Constr. Co., 618 Reliance Bldg.

★**Mo., St. Louis**—Brecht Co., 1201 Cass Ave., let contract building 2 story, 107 x 130 ft., brick and steel factory, to Reinschmidt Constr. Co., Victoria Bldg. About $80,000.

★**Ore., Portland**—Amer. Can Co., 120 Bway., New York City, let contract building rein.-con., brick and steel factory, here, rein.-con. flooring, concrete foundation, to A. W. Quist, Portland. About $750,000.

★**Ont., St. Thomas**—Elgin Milk Products Co. will build 2 story, 55 x 200 ft., rein.-con. factory, on Talbot St. About $100,000. Work will be done by day labor.

Buildings

PROPOSED WORK

Mass., Athol—Hall—Town receives bids about Sept. 10 building 2 story, 50 x 125 ft., with 50 x 80 ft. wing, concrete, brick and steel memorial hall and auditorium, rein.-con. flooring, concrete foundation, on Main St. About $250,000. Brainerd, Leeds & Kellogg, 89 Franklin St., Boston, archts. Noted June 24.

Mass., Boston—Housing—H. B. Peek Corp., 1041 Little Bldg., plans extensive housing construction. About $1,000,000. McLaughlin & Burr, 88 Tremont St., archts.

Mass., Boston—School—Lockwood, Greene & Co., archts. and engrs., 60 Federal St., soon receive bids building 2 story, 60 x 82 ft., rein.-con. and tile, rein.-con. flooring, concrete foundation, on Parker St., for Hellenic Greek Assn., c/o architects. About $100,000.

Mass., Greenfield—High School—Bd. Educ. having revised plans prepared by Patton & Blair, archts., 579 5th Ave., New York City, and will soon receive bids, building 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Federal and Sanderson Sts. About $400,000. H. Richardson, 23 Pleasant St., chn. Noted Jan. 8.

N. Y., Great Neck—Schools—Bd. Educ. soon receives bids building two 2 story, brick and stone, brick foundations. About $400,000. W. S. Bessell, 56 W. 45th St., New York City, archts. and engrs.

N. Y., New York—Bank and Office—Canadian Bank of Commerce, 16 Exch. Pl., soon lets contract altering 8 story, also building 2 story addition to same, brick, steel and stone, concrete foundation. About $500,000. A. F. Gilbert, 80 Maiden Lane, archt. and engr.

N. Y., New York—Hospital—Jewish Memorial Hospital, c/o R. Resler, archt. and engr., 501 5th Ave., having plans prepared altering brick and stone hospital, on Dyckman St. About $160,000.

N. Y., New York—Loft and Office—Wendel Estate, c/o R. D. W. Swope, 175 Bway., having plans prepared by J. B. Snooks & Sons, archts. and engrs., 261 Bway., for 6 story, brick, steel and stone, concrete foundation, at 444 5th Ave. About $500,000.

N. Y., Richmond Hill (Jamaica P. O.)—Hall—Parish of Holy Child of Jesus having plans prepared by G. E. Steinbach, archt. and engr., 157 West 74th St., New York City, for additional story, brick and stone. About $100,000.

N. J., Camden—Store—H. Pinsky & Co., 1126 Bway., soon lets contract building 4 story, 48 x 140 ft., concrete and brick, on Bway. and Spruce St. About $100,000. P. Mertz, Penn Bldg., Phila., archt. Noted May 13.

N. J., Cranford—School—Bd. Educ. plans to build brick and stone, brick foundation, here. About $100,000. Hollingsworth & Bragdon, 17 W. 45th St., New York City, archts. and engrs.

Pa., Coaldale—High School—Bd Educ. having plans prepared by J. T. Simpson, archt., Essex Bldg., Newark, N. J., for 2 story, rein.-con and brick, here. About $150,000.

Pa., Elizabethtown—Hospital—Masonic Home having plans prepared by E. A. Wightman, archt., Heed Bldg., Phila., for 3 story, 110 x 220 ft. addition, granite and limestone. About $200,000. J. W. Otis, Huntingdon, engr.

D. C., Washington—School—Dist. Comrs. having plans prepared by S. Ashford, archt., Dist. Bldg., for brick, steel and stone, on 18th, 20th, Monroe and Newton Sts. About $135,000.

D. C., Washington—Theatre—A. P. Clarke, Jr., archt., 816 14th St., N.W., soon lets contract building 1 story, 35 x 100 ft. and 101 x 150 ft., on 14th St. and Park Rd., for T. Moore, c/o Rialto Theatre, 713 9th St., N.W. About $250,000.

S. C., Cateechee—School, etc.—Norris Cotton Mills having plans prepared by J. E. Sirrine, archt., Greenville, for 2 story, 47 x 88 ft. school, also 1½ story, 108 x 108 Y. M. C. A. building, both hollow tile and stucco.

O., Cleveland—Church and School—C. R. Greco, archt., 8 Beacon St., Boston, Mass., soon lets contract building 1 and 2 story, brick, steel and stone, rock foundation, on 114th St., for St. Joseph Church, South Aspinwall Ave. About $200,000.

Ind., Indianapolis—Courthouse—Marion Co. plans to repair 4 story courthouse, on Washington St. About $100,000. Architect not selected.

Ind., Richmond—Memorial—Wayne Co. Memorial Comn. having plans prepared by Study & Farrar, archts., Arcade Bldg., St. Louis, for 4 story, 150 x 250 ft., rein.-con., Bedford stone and brick, rein.-con. flooring. About $600,000.

Ill., East Moline—School—School Bd. rejected bids received Aug. 9, and are having revised plans prepared by Whitsitt & Schulzke, archts., Peoples Bank Bldg., Moline, for 1 story, John Deere School. About $100,000. Noted July 29.

Wis., Evansville—School—Bd. Educ. having plans prepared by Claude & Starck, archts., 1-2 Badger Annex, Madison, for 2 story, brick and concrete, rein.-con. flooring, concrete foundation. About $100,000.

Wis., La Crosse—School—Bd. Educ. having plans prepared by O. A. Merman, archt., La Crosse, for Hogan School, 2 story, 60 x 110 ft., brick, steel and concrete, rein.-con. flooring, concrete foundation. About $100,000. N. Luening, pres. Noted July 22.

Wis., Manitowoc—Club and Store—Manitowoc Aerie of Eagles having plans prepared by W. J. Raeuber, archt., Teltzen Bldg., for 3 story, 100 x 220 ft., brick, rein.-con. and steel, brick foundation, on 8th St. About $200,000. J. Koutnik, chn. 1114 South Main St. Noted Aug. 12.

Wis., Milwaukee—Theatre—T. Gaxe, 16 5th St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St. for 1 story, 80 x 120 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on North Ave. About $100,000.

Minn., Newport—Housing—Farmers Terminal Packing Co., 920 Commerce Bldg., St. Paul, soon lets contract building thirty-five 1 and 1½ story stucco and frame cottages, here. About $4,000 each. H. E. Edmunds, secy. Noted Jan. 8.

Kan., Pittsburgh—Club—B. P. O. E. having preliminary plans prepared by Study & Farrar, archts., Arcade Bldg., St. Louis, for brick and timber. About $110,000.

Kan., Salina—Administration—Weslyan University having plans prepared by Study & Farrar, archts., Arcade Bldg., St. Louis, for rein.-con. and brick, rein.-con. flooring. About $400,000.

Neb., Lincoln—Store—Gold & Co., 112-18 North 10th St., having plans prepared by E. Davis, archt., Security Mutual Bldg., for 5 story, 50 x 142 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $250,000.

N. D., Fargo—Agricultural—North Dakota State Agricultural College plans to construct new building. About $200,000. A. Leech, Fargo, secy. Keith & Kurke, Fargo, archts.

Que., Buckingham—Church—Catholic Parish soon lets contract building frame church, rock foundation. About $100,000. P. Chatelain, supt. Noted Aug. 15.

Que. Montreal—School—Protestant School Bd., Belmont St., plans to build 4 story, 74 x 226 ft., concrete, brick and steel, concrete foundation, on Morgan Blvd. About $350,000.

BIDS DESIRED

Me., Auburn—Until Aug. 28, by Jallade, Lindsay & Warren, archts., 37 Liberty St., New York City, building 4 story, brick, steel and stone, rein.-con. flooring, concrete foundation, here, for Y. M. C. A. About $150,000. Noted April 29.

Mass., Attleboro—Bank and Office—Until Aug. 24, by W. R. Walker & Son, archts., 17 Custom House St., Providence, R. I., building 4 story, 95 x 140 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Park St. here for 1st Natl. Bank, Main St. Noted July 1.

Conn., West Hartford (Hartford P.O.)—High School—Until Sept. 10, by School Comn., building 2 story, 200 x 204 ft., brick, concrete, steel and stone, rein.-con. flooring, concrete foundation, on South Main St. About $500,000. W. T. Marchant, 36 Pearl St., Hartford, archt. Noted July 29.

Conn., Windsor—High School—Until Sept. 7, by School Comn., building 2 story, 90 x 155 ft., brick, concrete, stone and steel, rein.-con. flooring, concrete foundation. About $200,000. Whiton & McMahon, 36 Pearl St., Hartford, archts. Noted June 24.

N. Y., Brooklyn—Bank—Until Aug. 26, by Trowbridge & Ackerman, archts. and engrs., 19 West 44th St., New York City, building brick and stone, on Flatbush Ave., for Midwood Trust Co., c/o architects. About $100,000.

N. Y., Buffalo—Church—Until Aug. 23, by C. W. Bolton, archt., Witherspoon Bldg., Phila., building 1 story, 156 x 176 ft., granite and stone, on Morris, Westly and Beard Sts., for City Park Methodist Episcopal Congregation; care of architect. About $200,000. Noted April 29.

N. Y., New York—Loft—Until Aug. 24, by J. F. Nitchie, archt. and engr., 63 Park Row, building 6 story, 50 x 100 ft., brick, steel and stone, concrete foundation, at 318 West 46th St., for A. W. Palmo, c/o architect. About $150,000. Noted July 8.

Pa., McKeesport—School—Until Aug. 30, (change of date) by Bd. Educ., building 2 story, brick and fireproof construction, on Union Ave. and Beech St. About $325,000. J. M. McCollum, Berger Bldg., Pittsburgh, archt.

D. C., Washington—Hospital—Until Sept. 8, by Dist. Comrs., Dist. Bldg., constructing 2 story, 300 x 400 ft. psychopathic ward of Gallinger Hospital, brick and stone. About $700,000.

O., Prospect—School—Until Aug. 26 (change of date), by Bd. Educ., building 2 story, 114 x 145 ft., concrete and brick. About $125,000. O. D. Howard, 8 East Broad St., Columbus, archt. Noted Aug. 5.

Mich., Detroit—Mercantile—Crowley Milner Co., Farmer St., receiving bids building 2 additional stories, 95 x 220 ft. rein.-con., brick, steel and terra cotta, rein. con.

ildings (Continued)
ring, on Farmer and Monroe Sts. About 0,000. Smith, Hinchman & Grylls, 710 ashington Arcade, archts.

Ill., De Kalb—Hospital—A. Foster, archt., North Clark St., Chicago, receiving bids masonry work for 3 story, 40 x 179 ft., k and timber, concrete foundation, here, J. A. Solon, De Kalb. About $150,000.

Kan., Newton—School—Until Aug. 26, by d. Educ., building 2 story, 26 x 109 ft. n.-con., steel and brick, rein.-con. floors, concrete foundation. About $115,000. erentz, Schmidt & Co., 121 North Market St., Wichita, archts.

N. D., Dickinson—Dormitory—Until Aug. by Keith & Kurke, archts., Fargo, building 3 story, 80 x 89 ft., rein.-con., brick, steel and stone., rein.-con. flooring, concrete foundation, at State Normal School, on Main St., for State Bd. Educ., Bismarck. About $100,000.

N. D., Marmarth—High School—Until Sept. 7, by Bd. Educ., building 2 story, 61 x 91 ft., rein.-con., brick and tile. About $100,000. Keith & Kurke, Fargo, archts.

Okla., Tulsa—Church—First Methodist Episcopal Church receiving bids building brick, rein.-con. and steel, rein.-con. flooring, concrete foundation. About $250,000. Wight & Wight, 400 1st Natl. Bldg., Kansas City, Mo. archts. Noted July 22.

Okla., Tulsa—Office—Thompson Bros., 1172 North Cheyenne St., and R. H. Hughes, 412 Robinson Bldg., receiving bids building 10 story, 100 x 200 ft., brick, rein.-con. and steel, rein.-con. flooring, rock foundation. About $750,000. H. L. Bass, 801 Hume-Mansur, Indianapolis, Ind., archt. Noted May 20.

Cal., Los Angeles — Gymnasium — Until Aug. 25, by Bd. Educ., furnishing labor and material building gymnasium on Franklin High School site, at 530 West Ave. 54. Separate bids on general contract, painting, plumbing and electric wiring. W. A. Sheldon, secy.

Ont., London—Hospital—Until Aug. 27, by R. C. Desrochers, Dept. Pub. Wks., Ottawa, building 2 story, 50 x 250 ft., concrete and brick, concrete foundation, on Wellington Rd., for Soldiers Hospital Comn. About $140,000. H. C. McBride, Molsons Bank Bldg., archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★R. I., Manville—Church—St. James Roman Catholic Church let contract building 1 story, 85 x 170 ft., brick and steel, rock foundation, also 1 story, 25 x 40 ft. boiler house, to A. F. Smiley, Oak Hall Bldg., Pawtucket. About $100,000. Noted March 25.

★Conn., Manchester — Recreation and School — Ninth School Dist. let contract building 2 story, 65 x 110 ft., concrete, steel and brick, rein.-con. flooring, concrete foundation, on Cedar St., to Flynt Bldg. & Constr. Co., 356 Main St., Palmer, Mass. About $200,000. Noted July 22.

★N. Y., Brooklyn—Bank and Lodge—Lincoln Savings Bank, 527 Bway., will alter and build extensions to brick, steel and stone, concrete foundation. About $200,000. Work will be done by day labor.

★N. Y., New York—Courthouse—Bd. Estimate & Apportionment, Municipal Bldg., let steel contract building courthouse on Center, Worth, Baxter and Pearl Sts., to Bethlehem Steel Bridge Co., Bethlehem, Pa., $1,280,000; concrete and brick, to D. E. Connors, 15 West 91st St., $658,000 and $880,000 respectively; limestone, to H. Hamlin, 417 East 103rd St., $2,372,000. Noted July 22.

★N. Y., New York—Hotel—Hotel Des Artistes, 1 West 67th St., let contract altering, brick, steel and stone, to Robert Constr. Co., 110 West 17th St., N. Y. About $100,000. Noted June 24.

★N. Y., New York—Hotel—West 48th St Realty Co. c/o Gronenberg & Leuchtag, archts., 303 5th Ave., will build 14 story, brick, steel and stone, concrete foundation, on 43rd St .and 8th Ave. About $1,500,000. Work will be done by day labor.

★Pa., New Wilmington—Gymnasium—Westminster College let contract building 2 story, 77 x 105 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to Parish Bros., 217 Wick Ave., Youngstown, O. About $150,000. Noted July 22.

★Tenn., Knoxville — Housing — Holstone Mfg. Co. let contract building several frame houses for workmen, to Aberthaw Constr. Co., 24 School St., Boston. About $125,000.

★O., Cleveland—Commercial—H. D. Kobutz, 1310 Huron Rd., let contract building 4 story, 46 x 130 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Euclid Ave. near East 45th St., to S. W. Emerson Co., 1900 Euclid Ave. About $200,000. Noted May 6.

★O., Cleveland — Exchange — Cleveland Telephone Co., Engrs. Bldg., let contract building 3 story, 40 x 150 ft., rein.-con., steel and brick addition, rein. con. flooring, concrete foundation, on West 65th St. and Guthrie Ave., to Crowell & Little Constr. Co., 1951 East 57th St. About $200,000.

★O., Columbus—Bank—J. W. Dinsmore, 344 West State St., let contract building 2 story, 41 x 62 ft. bank, on West Broad St., to J. A. Maxwell, 194 Souder Ave. About $100,000.

★O., East Cleveland (Cleveland, P. O.)—Church—United Brethren Church, 13917 Alder Ave., let contract building 1 story, 60 x 60 ft., brick and steel, brick foundation, on Hayden Ave., to J. Baroush, 5533 Osage Ave., Cleveland. About $100,000.

★O., East Cleveland (Cleveland P. O.)—School—Bd. Educ., Williamson Bldg., let contract building 2 story, 12 room, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Mayfair Rd., to Tenbusch-Parker Constr. Co., Union Bldg., Cleveland, $168,662. Noted Aug. 12.

★O., Sidney—Theatre—C. B. De Weese Co. will build 3 story, 83 x 166 ft. theatre. About $200,000. Work will be done by day labor. Noted Aug. 5.

O., Zanesville—Clubhouse—Amer. Rolling Mill Co., Linden Ave., received bids Aug. 2, building 3 story, rein.-con., brick and steel, rein.-con. flooring, from Taylor & Linn, Zanesville, $200,000; Dunsweiler Bros., Zanesville, $210,000. Noted July 29.

★Ind., Indianapolis—Sales—See "Industrial Works."

★Ill., East St. Louis—Office—See "Industrial Works."

★Ill., Hillsboro—High School—Bd. Educ. let contract building 2 story, 150 x 150 ft., concrete and brick, rein.-con. flooring, to J. Gedney, Arcade Bldg., St. Louis, $201,214.

★Ill., Monticello—School—J. C. Llewellyn, archt., 38 South Dearborn St., Chicago, let general contract to A. Nelson, 36 West Rand St., Chicago, building 2 story, 111 x 172 ft., brick, stone and steel, concrete foundation, for Bd. Educ. About $200,000. Noted July 29.

★Wis., South Milwaukee—Club and Recreation—Bucyrus Co. let contract remodeling brick and concrete club house and recreation building, rein.-con. flooring, to H. Schmitt & Son, 430 Farwell Ave., Milwaukee. About $100,000.

★Wis., Tomah—High School—Bd. Educ. let contract building 3 story, 50 x 80 ft. addition also 1 story, 30 x 55 ft. boiler house, concrete and brick, rein.-con. flooring, concrete foundation, to E. F. Miller, Tomah. About $100,000; cost plus percentage basis. Noted July 22.

★Minn., St. Paul—School—Bd. Educ. will build 2 story, 60 x 128 ft., rein.-con. and brick addition to Randolph Heights School, on Hamline Ave. between Jefferson and Lansing Sts. About $100,000. Work will be done by day labor. Noted June 29.

★Kan., Florence—Hotel—Florence Hotel Co. let contract building 3 story, 85 x 180 ft., brick and stone, on Main St., to Reyburn Constr. Co., 609 Waldheim Bldg., Kansas City, Mo. About $100,000.

★Kan., Salina—Temple—Masonic Temple Assn. let contract building 5 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to Eberhardt Constr. Co., Salina. About $750,000; cost plus percentage basis. Noted June 17.

★S. D., Brookings — Bank and Office — Midland State Bank let contract building 2 story, 28 x 85 ft., rein.-con. and brick, to L. F. Dow Co., 381 Jackson St., St. Paul, Minn. About $100,000. Noted July 8.

★Neb., Omaha—Law and Dental—Creighton University, 25th and California Sts., let contract constructing foundations for 4 story, 60 x 140 ft. law and 3 story, 60 x 120 ft. dental buildings, brick and stone foundations, to Raymond Concrete Piling Co., 90 West St., New York City. About $400,000. Noted March 25.

★Mo., St. Louis—Offices—Knight, Gamble & Co., 4th and Olive Sts., let contract remodeling brick building for offices, stone foundation, on Olive St., to J. S. Alberici Co., Boatmans Bank. About $100,000.

★Tex., Austin — Church — University Baptist Church let contract building 2 story, 90 x 114 ft., brick, rein.-con. and steel, rein.-con. flooring, on 22nd and Guadalupe Sts., to W. C. Hedrick Co., Guadalupe and 22nd Sts. About $120,000; cost plus percentage basis. Noted April 22.

Tex., San Antonio—Store—F. W. Woolworth Co., 322 East Houston St., received bids Aug. 9, building 3 story, 60 x 100 ft., rein.-con., on Houston St. and Alamo Plaza, from J. De Puy, Bedell Bldg., $184,080; Coleman & Jenkins, Gunter Bldg., $184,200; C. Schoenfeld, 324 Hunstock Ave., $204,700.

★B. C., Victoria—Store—Hudson Bay Co., 1120 Wharf St., let contract building 8 story rein.-con., brick and tile on Douglas and Fishgourd Sts., to Carter, Hall & Aldinger Co., 1010 Union Bank Bldg., Winnipeg, Man. About $600,000. Noted Feb. 12.

Federal Government Work

PROPOSED WORK

Del., Wilmington—Dredging—U. S. Engr. Office rejected bids received July 15, dredging waterway between Rehoboth and Delaware Bays. Noted June 17.

Va., Hampton Roads—Seaplane Runway—Spec. 4267—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

Va., Quantico—Incinerator—Spec. 4266—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install, here.

S. C., Paris Island—Improving Hospitals—Spec. 4262—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to improve, here.

La., New Orleans—Dredging—U. S. Engr. Office, Custom House, rejected only bid received July 30, dredging Calcasieu Sect. Intracoastal Waterway, etc. Noted July 1.

Cal., San Diego—Fleet Supply Base—Spec. 4264—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build, here.

H. T., Wailupe—Radio Building—Spec. 4259—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct, here.

BIDS DESIRED

Pa., Phila.—Lumber Storehouse—Until Aug. 31, at office of H. J. Lumsden, officer in charge of constr., Frankford Arsenal building here; advertised in this issue.

D. C., Wash.—Bridge—Until Aug. 31, by Dept. of Interior, at office of Indian Affairs, building steel highway bridge over Two Medicine River, on Blackfoot Reservation. C. Sells, comr.

D. C., Wash.—Repairing Wharf and Slips—Spec. 4260—Until Aug. 25, by Bureau Yards & Docks, Navy Dept., repairing Wharf 3 and Slips 2 and 3. Noted July 29.

D. C., Wash.—Telephone Motor Generators—Until Aug. 26, by Chief Signal Officer, at Signal Corps, U. S. Army, furnishing five 1 kw. for 115 volts, under P. R. 4246. 27 C. P.

Fla., Jacksonville—Jetty—Until Sept. 15, by U. S. Engr. Office, building at entrance to St. Johns River; advertised in this issue.

La., New Orleans—Jetty—Until Sept. 16, by U. S. Engs. Office, Customhouse, extending jetty at mouth of Southwest Pass of Mississippi River; advertised in this issue.

Ill, Great Lakes—Harbor Development—Spec. 4136—Until Sept. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for developing harbor, here, to include dredging and filling, building breakwater, pier, quay walls, etc.; $10 deposit required for plans and spec. Noted July 22.

Okla., Tahlequah—School and Assembly Hall—Until Aug. 30, by C. Sells, comr. Indian Affairs, Wash., D. C., furnishing labor and material building at Cherokee Orphan Training School, here.

Utah, Ogden—Buildings, etc.—Until Sept. 4, at office of Constr. Quartermaster, 317 Colonel Hudson Bldg., constructing 60 buildings, water system, electrical layout and other utilities, near here.

Cal., Mare Island—Mechanics Shop, Filling and Shell House and Magazine—Spec. 4127—Until Sept. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; $10 deposit required for plans and spec.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. H., Portsmouth—Boiler and Stokers—Spec. 4124—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Aug. 11, removing from old hickory powder plant, Jacksonville, Tenn., and re-erecting same, at Navy Yard, here, (1) work complete, from F. Eisinger, 141 7th Ave., Brooklyn, (1) $26,553 (150 days), (2) $4,395, (3) $2,188; Shevlin Eng. Co., 110 West 34th St., New York City, (1) $64,758 (150 days), (2) $15,357 (45 days), (3) $4,000 (45 days), (4) $15 per m. Noted July 22.

Mass., South Boston—Removing and Re-erecting Boiler Shop—Spec. 4256—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids removing from Providence, R.

Federal Government Work (Continued)

l, and re-erecting same, here, (1) work complete, from G. T. Britt, 37 Church St., Buffalo, N. Y., (1) $87,500 (time as specified), (2) deduct $7,900, (3) add $4,200 (12 days); Hyde & Baxter, 1311 G St., N. W., Wash., D. C., (1) $91,880 (100 days), (2) deduct $2,000, (3) add $5,800 (15 days).

Mass., South Boston—Tracks—Spec. 4196—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Aug. 11, completing crane and railroad tracks for dry dock, at U. S. Naval Dry Dock, here, from M. Seretto, 3 Freemont Row, Boston, $187,500 (120 days); Hyde & Baxter, 1311 G St., Wash., D. C., $330,000 (300 days); Holbrook, Cabot & Rollins, 6 Beacon St., Boston, $265,000 (120 days). Noted July 22.

★R. I., Providence—Electric Conduit Line and Manholes—U. S. Engr. Office, War Dept., Wash., D. C., let contract building, in Coast Defenses at Narragansett Bay, to G. T. Seabury, Inc., Providence, $21,000.

★N. Y., New York—Dredging—U. S. Engr. Office, 39 Whitehall St., let contract dredging in Mattituck Harbor, to Eastern Long Island Improving Co., Mattituck, $7,650.

★N. J., Dover (Picatinny)—Buildings, etc.—Constr. Div., War Dept., Wash., D. C., let contract to W. M. Southerland Bldg. & Constr. Co., constructing Bldg. 117, cost $133,000, Bldgs. 326, 327, 328 and 329, cost $57,520; to Lustig & Weil, 103 Park Ave., New York City, Bldgs. 324, 325, 330 and 331, building sewers and installing steam heating systems, $61,500 and $42,300 respectively, Explosive Bldg. D, $76,372; to G. Allen Co., 1511 3rd Ave., New York City, building power plant, $314,103; to J. F. Creig, building water supply system, $36,365; to H. B. Missillier, constructing Bldgs. 200 and 201, cost $47,900.

★Pa., Phila.—Small Arms Shop—H. J. Lumsden, officer in charge of constr., Frankford Arsenal, let contract building 3 story, 82 x 200 ft. extension, on Tacony, Walbach, Mordecai and Dearborn Sts., to M. Melody & Sons, 25 North Massachusetts Ave. About $246,000.

★Pa., Pittsburgh—Steel Hull Derrick Boat—U. S. Engr. Office, 2111 Farmers Bank Bldg., let contract furnishing and delivering one 50 ton non-propelling steel hull derrick boat, to Dravo Contg. Co., Diamond Bank Bldg., $152,500. Noted July 1.

★D. C., Wash.—Boiler and Piping—Spec. 4242—Bureau Yards & Docks, Navy Dept., let contract building, here, to W. G. Cornell Co., 923 12th St., N. W., $8,586 (80 days) Noted July 15.

D. C., Wash.—Electric Traveling Cranes—Spec. 4239—Bureau Yards & Docks, Navy Dept. received bids July 28, furnishing and installing 40 ton electric traveling bridge cranes for shipbuilding slips at Navy Yards, Philadelphia, New York and Norfolk, Va., (1) work complete, from Morgan Eng. Co., Alliance, O., (2) $79,950 each, using Westinghouse equipment, $77,450 each using General Electric equipment (165 days); Niles, Bement Pond, 111 Bway., New York City, (2) $313,530 (time as specified); Heyle & Patterson, Inc., 50 Water St., Pittsburgh, (2) $323,800 (240 days). Noted July 15.

Va., Hampton Roads—Underground Electric Distributing System—Spec. 4240—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Aug. 11, installing in 3 storehouses in Block Z, at Naval Operating Base, here, from J. R. Proctor, 74 Cortlandt St., New York City, $34,880 (180 days); H. E. Crook Co., 28 Light St., Baltimore Md., $41,689 (150 days); G. E. Eng. Co., 22 Laight St., New York City, $41,778 (250 days). Noted July 22.

★Va., Norfolk—Paint and Oil Storehouse—Spec. 4222—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building, here, to J. H. Pierce, 629 Law Bldg., $68,171 (160 days). Noted Aug. 5.

Fla., Tampa—Bulkhead and Wharves—U. S. Engr. Office, War Dept., Wash., D. C., let contract building, here, to J. R. Chanbliss, Tampa, $5,335.

★Kan., Ft Leavenworth—Kitchenettes, etc.—Constr. Div., War Dept., Wash., D. C., let contract building 74 kitchenettes, to J. G. Barnes, Leavenworth, $36,868; electric ranges, to Tholen Bros., $8,600; converting Bldg. 102 into officers' quarters, to B. E. Baer, $25,034.

★Cal., San Francisco—Stone—U. S. Engr. Office, Fair Bldg., let contract furnishing stone for Humboldt Bay Jetties, to I. N. Minor, Arcata, $184,400

Miscellaneous

PROPOSED WORK

Field Houses — Providence, R. I. — Bd. Contr. & Supply plans to build 3 field houses at Richardson, Bucklin and Joslin St. Playgrounds. About $30,000. Private plans.

Transformer Station—New York, N. Y.—New York Edison Co., Irving Pl. and 15th St., having plans prepared by W. Whitehill, archt., 12 Elm St., for brick and concrete, rein.-con. flooring, concrete foundation, on 75th St. About $500,000.

Jetty—Longport, N. J.—Bore, plans to build stone jetty to extend 2,000 ft. into ocean. About $200,000. R. Harcourt, mayor.

Mixing Device, etc.—Columbus, O.—Ironclay Brick Co., 64 Ruggery Bldg., soon receives bids for mortar mixing device with device with elevators, conveyors and chutes. J. M. Adams, purch. agt.

Dam — Cannon Falls, Minn. — Cannon Falls Milling Co., 822 Flour Exch., Minneapolis, plans to build dam over Cannon River. E. O. Holmstead, mgr.

Paving Material—St. Paul, Minn.—City rejected bids July 26 furnishing 3,371 bbl. portland cement, 2,608 cu.yd. crushed rock for concrete base, 488 cu.yd. binder stone, 282 ton asphalt cement, 296 ton limestone dust, 135 ton trap rock, etc. Noted Aug. 12.

Road Oiler and Oil Storage Tanks—St. Paul, Minn.—G. Reis, aud. Ramsey Co., receives bids in fall for road oiler mounted on tank and road oil storage tanks. About $12,900 and $10,350 respectively. R. R. Godfrey, Court House, engr.

BIDS DESIRED

Locomotive Crane—Bridgeport, Conn.—Bilton Machine Tool Co. receiving bids for one 15 ton locomotive crane with magnet and clamshell bucket.

Heating and Ventilating Apparatus—New York, N. Y.—Until Aug. 23, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., altering and repairing heating and ventilating apparatus in P. S. 119, on 133rd and 134th Sts., east of 8th Ave. and P. S. 172, on 108th and 109th Sts., east of 2nd Ave., for Bd. Educ., 500 Park Ave.

Road Materials—New York, N. Y.—Until Aug. 24, by H. H. Curran, pres. Manhattan Boro., furnishing and delivering 200,000 gal. refined asphalt, 10,000 bags Portland cement, 1,500 cu.yd paving sand, and castings as called for in contract.

Window Guards—Thiells, N. Y.—Until Aug. 23, by F. A. Vanderlip, pres. Bd. Mgrs., Letchworth Village, 7 Wall St., New York City, furnishing window guards for storehouse, bakery, refrigerating plant and cold storage building, here. L. F. Pilcher, Albany, state archt.; advertised in this issue.

Riprap—Cape May, N. J.—Until Aug. 24, by Bd. Comrs., furnishing 2,400 ton riprap, f.o.b. cars at quarry. H. W. Bell, city engr.; advertised in this issue.

Heating and Ventilating System—Washington, D. C.—Until Aug. 26, by Dist. Comrs., Dist. Bldg., installing heating and ventilating system in Petworth School and addition, on 8th and Sheperd Sts., N. W.; advertised in this issue.

Sanitary Equipment—Columbus, O.—Until Sept. 3, by Bd. Educ., furnishing sanitary equipment for schools on Chicago, Franklington, Spring and Highland Sts., 1st Livingston, Michigan, Southwood, Eastwood and Bellows Aves. and South High School. About $80,000. D. Riebel & Sons, New 1st Natl. Bank Bldg., archts.

Breakwater — Chicago Ill. — Until Sept. 22, by South Park Comrs., 57th St. and Cottage Grove Ave., building breakwater along Lake Michigan from 11th Pl. to 24th St. J. F. Neil, secy.; advertised in this issue. Noted June 29.

Dike—St. Louis, Mo.—Until Sept. 7, by Bd. Pub. Serv., furnishing labor and material for building stone and timber dike at Low Service Pumping Sta. Chain of Rocks. About $75,000. E. E. Wall, City Hall, engr. Noted July 15.

Sluice Gates—Sacramento, Cal.—Until Sept. 2, by M. J. Desmond, city clk., furnishing sluice gates for city pumping and filtration works; advertised in this issue.

Transformers, etc.—Sacramento, Cal.—Until Sept. 30, by M. J. Desmond, city clk., furnishing transformers, centrifugal pumps, induction motors, intake and pumping works, electric crane, switchboard and force mains for city pumping and filtration works; advertised in this issue.

Breakwater—Quaco, N. B.—Until Sept. 2, by Dept. Pub. Wks., Ottawa, Ont., rebuilding eastern breakwater, involving 2[illegible] round timber cribwork with stone [illegible] and 8 x 8 in. spruce sheathing. About [illegible] 000. E. Lafleur, Ottawa, engr.

Wharf—Ottawa, Ont.—Until Sept. [illegible] Dept. Pub. Wks., building 21 x 80 ft tension to western wharf, at Notre [illegible] des Sept Douleurs, open faced crib[illegible] with stone ballast. About $25,000.

Railway Ties—Toronto, Ont.—Until A[illegible] 31, by E. Langham, purch. agt., Canad[illegible] Natl. Ry., 27 Wellington St. E., Toron[illegible] furnishing 1,500,000 railway ties, to be [illegible] livered between Dec. 1, 1920 and Nov. 1921.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Castings—Boston, Mass.—City let contract furnishing 70,050 lb. No. 2 castings to Mechanics Iron Co., 38 Kemble St., at $0.065 per lb.

★Edgestone, etc.—Boston, Mass.—City let contract furnishing 40,000 lin.ft. straight edgestone, 3,600 lin.ft. circle stone and [illegible] lin.ft. small corner pieces, to H. E. Fletcher Co., 31 State St.

★Ferry Boat—Boston, Mass.—Bridge & Ferry Div. let contract building ferry boat to Groton Iron Wks., Eastern Point, Groton, Conn., $379,950. Noted July 29.

★Portable School Houses—Boston, Mass.—City let contract building 15 portable school houses to P. F. and J. J. Lamont, 1105 Dorchester Ave., Dorchester, $65,040. Noted Aug. 5.

★Coal Pockets—Holyoke, Mass.—City let contract for alterations to concrete coal pockets, etc., at Municipal Electric Plant on Cabot St. to P. J. Kennedy & Co., Inc., 464 Maple St. About $50,000.

★Playground, etc.—Holyoke, Mass.—Farr Alpaca Co., Jackson St., let contract building playground and athletic field on old Berkshire Park grounds, to S. M. Green Co., 293 Bridge St., Springfield. About $25,000.

★Dam, etc.—Wheelwright, Mass.—G. W. Wheelwright Paper Co., 4th St., Fitchburg, let contract building concrete dam, flume and sedimentation plant, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. About $25,000.

★Transformer Station—New York, N. Y.—New York Edison Co., Irving Pl. and 15th St., will build rein.-con. and steel, on Bowery. About $150,000. Work will be done by day labor under supervision of W. Whitehill, archt., 12 Elm St. Noted June 3.

★Pier—Camden, N. J.—Camden Harbor Comn. let contract building rein.-con. and steel pier, 472 ft. long and 102 ft. wide, to Tilt-Hargan Co., 90 West Bway., New York City, $201,799.

Generator, Condensers, etc.—Cleveland, O.—City received bids furnishing one 10,000 kw. steam turbo-generator, condensers, auxiliaries and switchboard, from Merchants' Light & Heat Co., Washington and Meridian Sts., Indianapolis, Ind., $284,350; Westinghouse Electric Mfg. Co., Union Bank Bldg., Pittsburgh, $285,567; Allis-Chalmers, Park Bldg., Pittsburgh, $300,000.

★Conduits, etc.—Detroit, Mich.—Pub. Lighting Com., 40-56 Atwater St., let contract furnishing labor and material building and installing conduits, manholes, handholes, and lamp post foundations in sections of Kercheval Junction and 14th Aves., Magnolia and Butternut Sts., to Contg. & Material Co., 3219 South Michigan Ave., Chicago, $325,447. Noted July 8.

★Special Castings—Detroit, Mich.—Fire Dept., West Larned St., let contract to Amer. Car & Fdry. Co., West Jefferson and Clark Aves., furnishing one thousand and fifty 6 and 8 in. and four hundred and five 4 and 6 in. c.i. sleeves and tees, 90, 45 and 22½ degree bends, at $7.50 per 100 lb.; to Flower Valve Mfg. Co., Clayton and Parkinson Aves., six hundred 6 in. water gates, at $39.25 each, total, $23,550, and 600 fire hydrants at $175 each, $105,000.

★Grain Elevator—Marion, Kan.—Marion Milling Co. let contract building grain elevator, capacity 20,000 bu., to O. F. Roberts, Sabetha. About $25,000.

★White Way and Street Lighting System—Watertown, S. D.—City let contract installing white way and street lighting system for business district to Electric Constr. Co., 174 East 6th St., St. Paul, Minn., $5[illegible] 800. Noted Aug. 12.

★Wire — Cape Girardeau, Mo. — Little River D.D. let contract furnishing 1,260,000 sq.ft. No. 9, 6 in. mesh wire, to Pittsburgh Steel Co., Union Arcade, Pittsburgh, Pa